

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: fmathews@norfolk.infi.net (Frank Matthews)  
Subject: [20070] 40M Memorial Weekend Beacons?  
Message-ID: <v01530500afa9fba7efa3@[208.131.169.92]>

Fellow QRPers,

Does anyone know whether or not anyone will possibly be running a 40M (or any other band for that matter) QRP Beacon over the holiday? I recently read a post where someone did this and varied the output along with a "password" in order to verify reception. Sounds kind of neat and would like to check one out.

If someone has done this before and can give me some information on how to go about doing this myself...I'd like to try it (being the beacon that is).

73, Frank

Frank Matthews  
Technology Education Department  
Oscar F. Smith High School  
1994 Tiger Drive  
Chesapeake, VA 23320  
(757) 548-0696 Ext. 51  
Email/fmathews@norfolk.infi.net

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Dan & Donna Copeland <dcopeland@wwn.net>  
Subject: [20104] 5-watt mod to 38's  
Message-ID: <3.0.1.32.19970522122240.006a5b68@pop.wwn.net>

I must be too dense to figure this out. Could someone tell me how to take a stock 38's and install the 5-watt mod. There has been many posted on the list but they seem to leave out some steps. If anyone can help me, next year at Dayton I will buy them a grease dog or a mystery meat sandwich :-).

Thanks and 72's  
Daniel Copeland KF00V  
dcopeland@wwn.net

| QCWA Webmaster\*ARRL-life member\*QRP-L 1004\*Norcal 38S |  
| Director Southwest Missouri Amateur Radio Club (SMARC) |  
| <http://www.teleport.com/~qcwa> | <http://www.dcopeland.com> |

"I want to die peacefully in my sleep like my grandfather,  
not screaming in terror like his passengers."

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: w8lrm@juno.com (Albert K. Rea)  
Subject: [20082] 509 and Accessories FOR SALE  
Message-ID: <19970522.100154.7063.0.w8lrm@juno.com>

I have a mint Ten Tec 509 with matching Power Supply  
Audio Filter and Calibrator Plus all the original boxes and  
instruction manuals for sale. Asking \$450.00 for the  
package plus shipping. Reply via personal e-mail.....

w8lrm@juno.com

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Alan Kaul <kaul@netcom.com>  
Subject: [20109] ARRL DXCC QRP  
Message-ID: <Pine.3.89.9705221014.A15707-0100000@netcom19>

This is getting boring ... let's change the topic to a more difficult  
goal like CQ's 5-band-WAZ --- now that would be a QRP accomplishment  
(especially since I've not worked 40 zones yet with QRO)!!!

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: x5m7v7wl@coastalnet.com  
Subject: [20055] Arrl/Dxcc Thread  
Message-ID: <1.5.4.16.19970521111427.54af1916@abaco.coastalnet.com>

Hi Fellas

Interesting thread, and as always, in due course, balanced opinions

eventually prevail! When i was a teen and a relatively new ham in the early/mid 60's, i proudly applied for and "hung" wallpaper in the shack for RCC,WAS,WAC and some other (minor) things. By the late 60's i had confirmed over 100 countries but the wallpaper meant a lot less to me by then, so i never got around to applying for DXCC. Today i have around 240 confirmed and there are enough still needed to ensure that the chase will continue to be interesting, for the rest of my life.

One wonders who we hang the wallpaper to impress? Eventually i may get around to becoming more concerned about this aspect of our hobby again and if so i will get my cards out and see what i can qualify for. In the meantime, it is enough to me to enjoy working the dx and interacting with the ionsphere,etc.If i get a card great, if not ,so what? When we die, they throw our QSL's out in the trash!

My most prized awards were my 1000 mpw award and the QRP 25 for working 25 other QRP ARCI members(with endorsements for 50, 100,etc.). Over the years, they got lost in moving. I'll get around to them too!

As for me personally, i would be completely satisfied to have a QRP DXCC certificate(and any other award, issued by QRP ARCI or another qrp club.

Amateur radio is considered passe and increasingly irrelevant to the modern world and especially h.f. Radio technicians who troubleshoot to the component level are already largely obsolete. In the wonderful Qrwellian world of tomorrow our skills in ionspheric propagation probably won't even be needed and will have no commercial value. What we do in our hobby is entertain ourselves with technology from the past. I know i'm a dinosaur but CW,Ham Radio and QRP Forever!

73 Roy Lincoln WA4DOU

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: SEAB&SHARON LYON <SSLYON@worldnet.att.net>  
Subject: [20069] ARRL: OUNCE OF PREVENTION. (short)  
Message-ID: <19970522120859.AAC9062@LOCALNAME>

I'd be real careful not to develop an "US vs Them" faction regarding ARRL... (anywhere else either) esp. since in this case it leads to schizoid paranoia. "Them is Us", after all. Just ask Nils what Thorazine does for your CW. =s=

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ  
ARCI#9253; QRP-L #574  
NEQRP#511; ARRL; QCWA

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: laura halliday <ve7ldh@direct.ca>  
Subject: [20111] Big Bottles (was: Why No DXCC/QRP from ARRL)  
Message-ID: <338484B8.49FA903B@direct.ca>

Ed Hare, W1RFI wrote:

> I think we all know in our hearts that there are a few  
> 4CX10000 tubes in use out there...

If somebody wanted to build a very linear Class A 2 kW amplifier, they would need finals of 5 kW or more plate dissipation. For that matter, they may have gotten an otherwise ridiculously large tube at the right price. Such tubes have filament power requirements orders of magnitude larger than entire QRP radios. :-)

They must also pay an awful lot less for electricity than I do.

--

Laura Halliday                    "C'est une femme mutine, assez elegante,  
ve7ldh@direct.ca    grave et legere, ayant le sens  
Grid: CN89mg        du confort et du plaisir en tout."  
                     - C. Deneuve

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Dale Anderson <dalea@artemis.fc.hp.com>  
Subject: [20120] Building an FET probe?  
Message-ID: <9705221843.AA02646@artemis.fc.hp.com>

Hi,

All this talk about O'scopes has me thinking... Anyone know of a source for schematics and/or details on building an FET probe? This is one of those projects where I think I could "reinvent the wheel", but would prefer to review some standard configurations, component selections and approaches.

Tnx es 72/73

-Dale, KB0VCC  
Fort Collins, CO  
QRP-L #91 / CQC #251 / ARS #234 / FISTS #3172

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: w8lrm@juno.com (Albert K. Rea)  
Subject: [20081] Complete Two-way Test Set-up For Sale  
Message-ID: <19970522.100154.7063.1.w8lrm@juno.com>

Cushman Test Monitor (full function) plus  
HP Sig gen (50khz to 65 mhz) and other items  
to service Two-way equipment. Asking \$650.00  
plus packing \$ shipping.

Reply via personal e-mail to.....  
w8lrm@juno.com

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Chris Cartwright <ccart@dns.vidtel.com>  
Subject: [20124] Dayton Antenna Farm?  
Message-ID: <Pine.LNX.3.93.970522153132.1522F-100000@dns.vidtel.com>

Did anyone happen to get a picture of the antenna farm that sprung up  
behind the hospitality suite at the Days Inn during the Hamvention. For  
those who missed it, four SLV's, a hustler (I think) on one of the  
railings, and a 35' mast with a 6M KD6KQ loop on it (And that was just  
the ones you could see:). Things at home should be that good... Damn  
covenants... mutter... #26 enamled... mutter... rubber bands...  
grumble...

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --  
-- N3XRV QRP WAS 15/9 (w/c) | ccart@erols.com --  
-- QRP-L #655 NORCAL #1891 QRP-ARCI #9271 | <http://dns.vidtel.com/~ccart> --  
-- WIMPS Q's=02 30M=02 17M=00 12M=00 STATES=02/00/00 DX=00/00/00 QSL's=00 --

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [20130] Dayton Day 4  
Message-ID: <3.0.1.32.19970522140215.0069fc38@telis.org>

Sunday morning, we left early as our flight was due out at 8:30. The  
reason that we left early on Sunday was that in past years I have gotten

home at 3 or 4 AM and had to get up and go to work the next day, not a pleasant thought. This year I arrived home at 5:30 PM in Dos Palos, in time to take my wife out to dinner, which probably scored some points for me.

Some things that I forgot to mention. I would like to thank Ori Mizrahi-Shalom and Joe Everhart for their efforts in designing the two projects that a lot of us have built. Both were presented plaques at Dayton, although Ori was unable to attend, Dave Fifield accepted on his behalf. The building contest started as a simple idea that Chuck and I discussed during one of our many phone calls. The first year we brought Pixie boards to the Hospitality suite, sold them and a manual and the guys had to find the parts in the flea market. That was fun, but the problem was that guys were building kits instead of meeting people and visiting with their friends. Remember we can build any time, but the one chance a year that you get to meet your friends at Dayton only lasts for 3 or 4 days. I think that the addition of the Unlimited Building Class will be fun. Just think of all of the LDG Tuners and the Steve Weber Spectrum Analysers that were not brought to Dayton. Next year they will be there. Plus Sierras, OHR rigs, Kanga Rigs, SWL Rigs, Emtech, S&S and all of the other rigs that are out there. I can envision a complete homebrew station. The possibilities are endless.

What does Dayton Cost? Well here is what it cost me coming from the West Coast, which is just about as far away as you can get in the US.

Plane Ticket:	\$395.00
CarRental Share	\$65.00
Room Share	\$159.50
 Total	 \$619.50

Jim and I have a system that we use. He makes the arrangements for the plane tickets, I do the rooms. It works really well. We plan on doing it early. I have already filled out the forms for a room reservation, and suggest that if you are interested in doing so, contact Mike C. who is the President of ARCI. He will be able to put you touch with the right person.

The Days Inn was much improved this year. My room was very clean, and even my wife would have approved this year. The service in the Hotel Restaurant was also much better. I think that they have a new manager.

The commercial vendors were there in force. Take a look at the Internet QRP Web Page. I saw Embedded Research, Small Wonder Labs, S&S Engineering, Milestone Technologies, Wilderness Radio, The American QRP Key Company, Emtech, Kanga US, Kanga Great Britain, Rex Harper (he has a neat little product, a protoboard that is designed to fit in an Altoids tin!!), W6MMA Vertical Coils, and probably others that I can't recall. The Clubs were there too, Michigan, New England, NorCal, New Jersey and Columbus. All of

this was at the Days Inn, NOT the Hamvention. I truly believe that a guy could go to Dayton, and it would be worth the trip to just go to the QRP Activities.

The dealers who had products there to sell did well. Someone else has said and I second it that if you introduce a new product at Dayton, sales will be brisk. QRPers take money to Dayton, and they want to spend it.

Now for some more QRP Events taking place this year.

June 6-7 HamCom in Dallas. Paul Harden and I will be speaking at the QRP forum.

July 25 - 27 Fort Tuthill Hamfest in Flagstaff, AZ. This is a great one, and Roger Hightower is organizing a QRP Forum with a special QRP Barbecue and get together on Saturday night.

Oct. 17 - 19 Pacificon and the West Coast QRP Symposium featuring the following speakers: Roy Lewallen, Paul Harden, Dave Benson, Gary Diana

and Brad Mitchell and Wayne Burdick. Plus the West Coast Building

Contest (Dayton entries are not eligible, but you can build another and

enter) at the QRP Open House on Saturday night. The QRP sessions will all be on Saturday this year but most of us will be arriving on Friday and leaving on Sunday. There is no charge for the QRP sessions, but Pacificon does charge, \$3 in advance, \$5 at the door. The sessions will be held at the Concord Hilton, which has a special Pacificon rate that is cheaper than their normal rate (unlike Days Inn which is almost double during Dayton).

Ok, that is it for the Dayton Reports from KI6DS. I had a wonderful time, loved every minute and already Jim and I are making plans to attend for next year. NorCal will again host the Open House on Thursday night, and we will get another top flight speaker for you. We will also be sharing the booth with Kanga at the Arena, and we will have the building contest judging on Saturday night. Make your plans now. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Neil Heckt <neil@aade.com>  
Subject: [20043] DFD and web site update  
Message-ID: <33838CA1.4A43@aade.com>

I've just made a major update to "my favorite links" page of my web site. Many new links of interest to homebrew.

Also added an application notes page for the Digital Frequency Display featured in May QST. Hope to add many more as time goes by.

Also have found that the DFD will operate to 42MHz with 2V p-p drive which makes it useable for more people.

--

Neil

Homebrew Heaven at <http://www.aade.com>

Home of L/C Meter IIB and Digital Frequency Display

Links to sites of interest to Engineers, Amateurs and hobbyists interested in Circuit Design and construction.

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997

From: gsurrency@juno.com (Gary L Surrency)

Subject: [20041] DXCC award comments

Message-ID: <19970521.163111.9862.1.gsurrency@juno.com>

I have to agree with Ed Hare. The wall plaque would look nice, but I will know if I worked DXCC with 5w. And being honest about the power level with myself is what counts.

Ed has always expressed a fair and thoughtful opinion on this list, and I am glad he is here. Besides, I have always enjoyed his RFI reports and some of them have helped me track down noise sources at this QTH. His new call couldn't be more appropriate.

72,

Gary Surrency AB7MY

QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH

Az ScQRPions

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997

From: AE0Q V31RY <v31ry@ix.netcom.com>

Subject: [20095] DXCC means...

Message-ID: <2.2.16.19970522162712.217feb9e@popd.ix.netcom.com>

KU7Y wrote:

>Some have mentioned that they don't want any paper. If that is really  
>the case, why refer to DXCC at all? The award is the award. You can  
>take or leave the paper, but the earning award is still what you did.  
>

>When you say the award is nothing because it might, (has), been



>achieved by cheating, then just by the fact of "working 100 countries"  
>you have achieved DXCC. Somehow not sending for the paper makes the  
>award real? Guess I'm missing something here.  
>

Earning "DXCC" does NOT mean that someone worked 100 countries! To qualify for the ARRL DXCC award, you also have to figure out how to get QSL cards from each of those hams in 100 countries, through many unreliable mail systems. You have to fill out the application paperwork correctly, and actually send your cards to the ARRL to PROVE that you have them.

That is what makes the DXCC a prestigious award throughout the WORLD. If you are a DXer in a poor 3rd-world country, it obviously takes a lot more than average dedication to hamming to obtain DXCC. Those cards still have to be sent to ARRL HQ in Newington, something hams in the U.S. take for granted!

I bet most foreign hams don't consider having a DXCC certificate a trivial thing when they've gone to more effort than most U.S. hams to earn it. You have either earned a DXCC Certificate, or you haven't! Claiming to have 'worked' 100 countries isn't the same thing..

73 -- Glenn (RTTY DXCC #617)

-----  
"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK  
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--  
<http://www.qsl.net/ae0q>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: AlK0FRP@aol.com  
Subject: [20112] DXCC with QRP  
Message-ID: <970522134128\_-2067859892@emout06.mail.aol.com>

Just ahd to do it sorry!

I have been licensed for 35 years. Gone through all phases of operating awards, WAS, 5BWAS, DXCC, WAC, WAZ, Novice, SSB, CW, KW, and now QRP. I have never sent in to the ARRL for any of these awards. So DXCC QRP award means nothing to me.

I have too many certificates on the wall already and the last 5 years of Sweeps Stakes, ARCI, CQC in a file. Except one Sweepstakes Plaque on the wall for QRP CW SS Donated by WOMHS. The only one donated QRP class plaque. I keep trying for Number 1 QRP SS but have never made it. When I do I'll quit trying.

In My own logs I have 308 countries only 160 confirmed. COSTS TOO MUCH to

QSL DX cards. \$2-3 a try. That's a new rig each year.

I am just finishing my WAS QRP-to-QRP (Since July 1996) I had 41 confirmed without trying so I went for it. Spent \$5.00 to get the last 8 cards (SASE's). I plan to give the cards to use in the Colorado QRP Club booth used at Hamfest. All Cards say 2 Way QRP or has my call /qrp and their power listed. EXCEPT HAWAII can't find a QRP KH6. I know KH6B has been on but I never made it happen. I do QSL QRP contacts but as N4BP says SASE's makes the reply card faster.

I have 71 countries since Jan 1 1997, NONE confirmed.

To the new hams YES, WAS is a great accomplishment QRP and DXCC is a milestone in a HAM's career. Do IT. Display them, get the Certificate. I think many QRP clubs will endorse the QRP operation. If the ARRL says no, that's their stand on the issue. We need the ARRL to keep us alive and keep our frequencies. But let's not fight a losing cause, Let's do it ourselves, with our own DXCC/QRP or as one said put our own sticker on the ARRL DXCC award. (ARCI etc).

This may be deleted like all the rest but I've expressed my feeling anyway.

Al K0FRP

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: Kr0i1@aol.com

Subject: [20121] DXCC, etc.

Message-ID: <970522145509\_1174439717@emout04.mail.aol.com>

My 2 cents.....

I guess I'm missing something or maybe there has been a rule change lately but I thought that ARRL membership was a requirement for any US ham before they could apply for a DXCC award. If you are not a member, you cannot apply for DXCC. Ergo, if you are not a member, your views shouldn't be of much interest to the various DXCC groups in this particular matter.

I do reply to any and all QSLs sent to me, QRO, QRP, or SWL in the same way as the one I received. I don't feel that being a QRP operator makes me special as compared to a 100 watt op or a KW op. I do it because I enjoy it and, remember, QRP ARCI was QRP at <100 watts when originally formed. I also run QRO when necessary for solid communications and enjoy the chats just as much even if the electric meter spins a little faster...hi.

Guess we all get our kicks out of ham radio in different ways. I'm

just glad that mine do not require complaining about so many different "problems" and I rarely expect changes to come about because I'm "special". Present your views, ideas and requests to an organization for evaluation. If, for whatever reason, they are rejected, either accept the fact or polish your presentation and try again but don't take the "bad-mouth" approach. I may have led a sheltered life but I cannot recall a single case in which that method resulted in a win for me.

72/73 de Mac, KR0I QRP ARCI 3227

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ROYGREGSON@aol.com  
Subject: [20116] DXCC/QRP  
Message-ID: <970522135916\_-1432152406@emout12.mail.aol.com>

It appears to me that the ARRL has not become aware of the fact that QRP is "THE" newest growing segment of amateur radio. At least one of their advertisers, Kenwood has made it a point to show that power can be adjusted to "5 watts for QRP operation. See June QST rear cover AD for TS570 !

Then there is the case of the 100 watt operators how do they prove that the guy was'nt running 1500 watts, maybe it does not make any difference ?

I think QRPers as a group have a somewhat higher level of intergrity than the ARRL is giving credit for !

IMHO Roy

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Jim Dolson <dolsonj@ix.netcom.com>  
Subject: [20118] DXCC/QRP Solution to Make Everyone Happy  
Message-ID: <33848DE3.25F6@ix.netcom.com>

Some club do the work, but here is the idea. Remember to give credit where credit is due ;-)

If you are a QRPer and you want a 'real' DXCC certificate, but the ARRL won't give you one:

1. Work you contacts, get your QSL cards and apply to the ARRL.

3. Send you a sticker that looks JUST LIKE THE STICKERS THAT ARRL USES FOR ENDORCEMENTS. You will then have an ARRL DXCC certificate with a QRP endorsement.

Problem solved.

I agree with Ed, and how he gets his kicks... I could hardly keep my clothes on when I worked that 2-X QRP ZL1 the other nite on 17m and don't expect to do more than QSL and list the event on WIMPS. HOWEVER.... I do personally know a dufuss who runs 4KW and can go to 6 "when I "REALLY need to.... you can't tell me the big boys don'd do that!" It really is pretending... or to be blunt, fraud.... and it would probably raise a carbunkle on my butt if I really worried about the tally on some score-board somewhere. Seems like there's one on every block. I say.... "GO FORTH AND SELF-MULTIPLY".

>

>

"Seab" Lyon - AA1MY  
Bethel, CT; FN-31-HJ  
ARCI#9253; QRP-L #574  
NEQRP#511; ARRL; QCWA

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: PGSPersEng@aol.com  
Subject: [20066] End run on DXCC restriction  
Message-ID: <970522031644\_710446331@emout15.mail.aol.com>

I've read too many posts on why the ARRL isn't being fair with its DXCC policy. I agree, but they've apparently made up their minds.

Instead of complaining, why don't we act ourselves? I'm sure it's been suggested before, but why don't one of the major QRP organizations verify operation and issue QRP endorsement stickers (\*really\* nice ones) that we can slap on the ARRL DXCC certificate? You'll have the cards to begin with and thus get the ARRL certificate; just resubmit the cards to the appropriate organization for the QRP sticker.

That organization might limit issuance of the sticker to members only (to help defray costs) -- and it would certainly boost membership. If I weren't a member, I'd be sure to join if just to support the DXCC effort. The logistics might be tough, but I doubt that they'd have to handle too many requests in the steady state (once the initial backlog due to ARRL inactivity was taken care of).

I'd be \*darned\* proud to have such a sticker from QRP-ARCI, Norcal or whomever on my future DXCC certificate. Who cares if it didn't come from the ARRL? I'd much rather have the initials of one of the QRP-L All Stars on that sticker, anyway!

Just a thought,  
Paul, AA1MI

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Robert J. Gobrick" <rgobrick@worldnet.att.net>  
Subject: [20135] FDIM 97 - Thanks for the Memories  
Message-ID: <3.0.32.19970522155713.006869f0@postoffice.worldnet.att.net>

## FDIM 1997 Final Report

On behalf of the 1997 "Four Days In May" committee (Bruce Douglas WJ2V, Bob Follett AB7ST, Bob Gobrick N0EB and Bruce Muscolino W6TOY/3) and our sponsor, the QRP Amateur Radio Club International, we would like to thank all that attended and supported the 2nd annual Dayton FDIM QRP Symposium on Thursday May 15, 1997. This year we had a record breaking 130 attendees pack the Days Inn South Dayton Ballroom - a great showing.

We would like to give special recognition and thanks to the 10 authors and presenters who made the Symposium a super QRP event. It takes a lot of time and effort to write a non-commercial QRP paper for publication and then follow-up with a live presentation. We appreciate the work that these authors put into the task and their devotion to the QRP community. In order of presentation:

- Joe Everhart N2CX, "Portable Antenna Success"
- Rev. George Dobbs G3RJV, "A Do It Yourself Guide to Input and Output Filters for QRP Rigs"
- Mike Perry PA3ASC, "Simplifying Bandpass Filter Design"
- Bill Carver W7AAZ. "Measuring Small Capacitors and Inductors" and "Why Crystal Filters"
- Dave Benson NN1G, "An Introduction to Digital Synthesis"
- Bob Gobrick N0EB and Chuck Adams K5F0, "Dit Dah With Style"
- Preston Douglas WJ2V, "Zero Beating and Offsets in Two Way Communications, An Intuitive Approach"
- Bruce Muscolino - W6TOY/3, "Using Commercial Database Software for Logbooks"
- George Heron N2APB, "The QRP Website Cookbook"
- L.B. Cebik W4RNL, "Wi're We Using Wire" (L.B. was not able to present this year)

If you have a chance to meet these QRPers on the air please pass your thanks on to them.

For those folks who were unable to attend the Symposium and would like a copy of the printed 1997 FDIM QRP Symposium Proceedings, Bruce Muscolino W6TOY/3 will be making these available. Please drop Bruce an email at w6toy@erols.com for further details. Bob Follett AB7ST will also be making

available the final FDIM financial report and a statistical analysis of the FDIM questionnaires.

Again thanks to you all and we hope to see you next year at the 1998 Four Days in May.

73/72 Bob Gobrick N0EB - FDIM Publicity

-----  
| PLEASE NOTE NEW EMAIL ADDRESSES - PLEASE REPLY TO BOTH ADDRESSES |  
|

| Bob Gobrick - N0EB & V01DRB (ex WA6ERB, VE2DRB) Stillwater, MN |  
|

| Internet: rgob@tco.infonet.com |  
|

AND Internet: rgobrick@worldnet.att.com

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: timcook@erinet.com

Subject: [20052] FS: Argo 509/ OHR-100

Message-ID: <3383A673.31C7@erinet.com>

Cleaning out some unused equipment:

Ten Tec 509 Argonaut with 208 cw filter/206 xtal cal, manual and original box shipped in 48 for \$285 looks good and works well.

OHR-100 30m unbuilt kit. still sealed from OHR will ship for \$90

would consider trades on a Timewave DSP-599zx

email direct for more info.

thanks

Tim

NZ8J

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>

Subject: [20077] FS: Ark 20 QRP CW rig, etc.

Message-ID: <Pine.3.89.9705220702.D12598-0100000@w3eax.umd.edu>

Looking around the shack last night, it seemed empty :(

IN fact, it's pretty close! This is all that's left of the "extras."

Ark 20 by S&S Engineering of Smithsburg, MD.  
20m 5 watt synthesized QRP rig with audio filter  
and CW keyer. Pushbutton tuning, extruded aluminum  
case (VERY heavy-duty), very easy to use. With all  
manuals, plus a FREE Ramsey 20w linear amp. \$275.

Also MFJ HF loop antenna, Standard C188 2m slimline HT,  
Yaesu FT-736R 2m/220/440 allmode satellite rig, Yaesu  
FT-208R 2m HT with NC-8 charger/base stand and speaker mic.

\* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 \*  
\*\*\* 6m 75 grids worked on 8 watts \*\*\* HF 140 cfmd \* QRP-L #147 \*\*\*  
\*\* QRP ARCI #9054 \*\* DXCC/WAS/WAC \*\*\* 100% dipole powered HF/6m \*\*  
\* 301-549-1022 h / 301-982-1015 w \*\*\* Gimme a hamfest, I'm there \*

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: k2hi@juno.com (Arthur B. Epstein)  
Subject: [20059] FS: MFJ 9020 QRP CW xcvr  
Message-ID: <19970522.001505.6286.0.K2HI@juno.com>

MFJ 9020 QRP CW xcvr with optional internal keyer. Mint condition in  
original box. asking \$125 + UPS. Art... K2HI K2HI@juno.com

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Brian K. Short" <ke7gh@primenet.com>  
Subject: [20053] Full List FS/WTB (Updated)  
Message-ID: <3.0.1.32.19970522020059.0070af68@mailhost.primenet.com>

\*\* FOR SALE \*\*

Mirage B3016 30/160w 2m Amp \$200 in Mirage box w/manual

FT-1000mp \*MINT\*, has processor upgrade factory installed.  
Also has optional Rx 500hz and 250 Hz filters. Manual, box,  
as new! There are \*none\* better. \$2500

Selling Outbacker Perth with manual, shipping tube, etc  
complete and ready to go...offers?

RF Concepts 4-310 430-450 30/100w brick with preamp taken out  
of box, tried once, put back in box. \$275 obo



-Brian ke7gh@primenet.com

\*\* WANTED TO BUY \*\*

\*\* WTB \*\* Various UHF Transverters 432-2304Mhz and IF rigs

\*WTB\* Collector of older RTTY terminal units looking for more to add to collection, including: Hal ST-5, ST-5000 other commercial or homebrew RTTY equipment

\*WTB\* Collector of older SSTV scan converters looking for more to add to collection, including: Robot 400, 800 etc... other commercial or homebrew SSTV equipment

Brian ke7gh@primenet.com >or< <http://www.primenet.com/~ke7gh>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: "Jeff M. Gold" <JMG@tntech.edu>

Subject: [20076] Index Labs

Message-ID: <01IJ5W5TFSTE8WWFU5@tntech.edu>

With all this talk of the new improved QRP+, I am somewhat disturbed. I have been in contact with people on this list. seems it is not uncommon not to get service from Index. One gentleman finally got hold of Bruce after his rig was in the shop for quite some time and just told him to send it back. I left phone mail and faxed.. still hasn't gotten back.

I think if people shell out \$700 for a rig, the person selling it has some type of obligation for service.

72

Jeff, AC4HF

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: Stephan Greene <sgreene@washsq.com>

Subject: [20071] JPS NIR-12 and SDK-12 Info

Message-ID: <Pine.LNX.3.95.970522082545.4642D-1000000@ftp.washsq.com>

A quick web search turned up the JPS Communications web site and their information on the NIR-12 DSP unit and SDK-12 software development kit.

Here's what they "say" about the SDK-12 at <http://www.jps.com/sdk12.html>

SDK-12 Software Development Kit for the NIR-12

List Price: \$35.00

The SDK-12 Software Development Kit provides a low cost DSP development platform when used with the JPS NIR-12 Dual DSP Noise Reduction Unit. The SDK-12 installs inside the NIR-12 on the expansion connector and provides an RS-232 interface to a PC. Using the supplied software, users may upload their own programs to run on the NIR-12 DSP without the need to program EPROMs.

The SDK-12 / NIR-12 combination provides the functionality of the Texas Instruments 320C2X DSP Starter Kit, but with expanded RAM and more analog I/O options. Larger programs can be developed, and there are CPU-readable switches and potentiometers available for program control. An audio amplifier capable of driving a speaker is also included.

The assembler and debugger software is the same public domain software distributed of the TI board. Also included are utility programs and sample DSP applications.

NOTE: The SDK-12 is intended for use by those already somewhat familiar with DSP software development and with software development in general. No attempt is made to educate the user in the area of DSP software development, nor can JPS provide software development support. The SDK-12 package contains the hardware and software necessary to allow the use of the NIR-12 as a general purpose development platform by DSP developers.

[reference to photo and specifications deleted]

JPS Communications, Inc.

P.O. Box 97757, Raleigh NC 27624-7757 USA

5720M Capital Blvd., Raleigh, NC 27616 USA

Telephone 919-790-1011 FAX 919-790-1456

e-mail: [amateur@jps.com](mailto:amateur@jps.com)

<http://www.jps.com>

Note - I do not own an NIR-12 and do not know DSP programming, but I recall that the TI kit has been a popular starting point for studying practical DSP. I hope this settles some of the speculation about what the kit can and can't do.

72 & 73 Steve KA1LM

QRL-L 232

-----

Stephan A. Greene                      sgreene@washsq.com  
PGP Public Key 0xB96717F5 1996/10/01 at <http://www.washsq.com/~sgreene/>  
-----

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: Paul Erickson <paul1@wizard.ucs.sfu.ca>

Subject: [20102] lets go hunting (joke)

Message-ID: <9705221700.AA12564@wizard.ucs.sfu.ca>

> How many American males does it take to blow up a Jeep Cherokee?  
>  
> Two and a dog . . . .  
>  
> >From a radio program, true report of a happening in Michigan, USA.  
>  
> Guy buys brand new Grand Cherokee for \$30,000 and has \$400+ monthly  
> payments.  
>  
> He and a friend go duck hunting and of course all the lakes are frozen.  
>  
> These two Atomic Brains go to the lake with the guns, the dog, the beer  
> and of course the new vehicle. They drive out onto the lake ice and  
> get ready.  
>  
> Now, they want to make some kind of a natural landing area for the ducks,  
> something for the decoys to float on. In order to make a hole large  
> enough to look like something a wandering duck would fly down and  
> land on, it is going to take a little more effort than an ice hole drill.  
>  
> Out of the back of the new Grand Cherokee comes a stick of dynamite with  
> a short, 40 second fuse.  
>  
> Now these two Rocket Scientists do take into consideration that if they  
> place the stick of dynamite on the ice at a location far from where  
> they are standing (and the new Grand Cherokee), they take the risk of  
> slipping on the ice when they run from the burning fuse and possibly  
> go up in smoke with the resulting blast. So, they decide to light this  
> 40-second fuse and throw the dynamite.  
>  
> Remember a couple of paragraphs back when I mentioned the vehicle,  
> the beer, the guns and the dog?  
>  
> Yes, the dog: A highly trained Black Lab used for retrieving, especially  
> things thrown by the owner.  
>

> You guessed it, the dog takes off at a high rate of doggy speed on the  
> ice and captures the stick of dynamite with the burning 40-second fuse  
> about the time it hits the ice. The two men yell, scream, wave arms  
> and wonder what to do now.  
>  
> The dog, cheered on, keeps coming.  
>  
> One of the guys grabs the shotgun and shoots the dog. The shotgun is  
> loaded with #8 duck shot, hardly big enough to stop a Black Lab. Dog  
> stops for a moment, slightly confused but continues on. Another shot and  
> this time the dog, still standing, becomes really confused & of course  
> scared, thinking these two Nobel Prize winners have gone insane. He takes  
> off to find cover, (with the now really short fuse burning on the stick  
> of dynamite).... under the brand new Cherokee.  
>  
> BOOM !  
>  
> Dog and Cherokee are blown to bits and sink to the bottom of the lake  
> in a very large hole, leaving the two candidates for Co-leaders of the  
> Known Universe standing there with this "I can't believe this happened"  
> look on their faces.  
>  
> The insurance company says that sinking a vehicle in a lake by illegal  
> use of explosives is not covered. He had yet to make the first of  
> those \$400+ a month payments.  
>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
Subject: [20126] March QRPP arrives in UK  
Message-ID: <rjxahAAtnGhzEw6w@stevef.demon.co.uk>

I arrived home from work today, 23 May to find that QRPP for march had arrived. Thanks guys for an FB issue.

As a matter of interest:-

US Postage paid \$3 Air Mail franked on May 3rd. Yellow Worldpost Air Mail sticker. I guess that it came by airship, or carrier pidgeon ;-)

--

Stephen John Farthing MBCS G0XAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Michael <MichaelN@cycat.com>  
Subject: [20099] MFJ 9020 AGC Pump FIX!!!!  
Message-ID: <33847814.627A@cycat.com>

After adjusting the AGC voltage higher and removing the pump, I found the band to be very quiet.  
There was no adjustment where I could hear weak signals and not have the AGC pumping.

I called MFJ (1-800 number YEA) and the tech was very helpfull.

If you have a 9020 (or other of the series I suppose) and have the AGC problem. Tack solder a resistor parallel to R-24, the value should be between 15 and 40 ohm.

I had some 47 ohm resistors on hand so I tried one. the pump was reduced but still there. I added a second 47 ohm (now 23.5 ohm) in parallel with R-24 and NO PUMP.

I adjusted the AGC voltage to the spec of 4.0V (no signal) and now have a nice receiver that is comfortable to use.

michael N6CHV

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Steve Hideg <Steve.Hideg.1@nd.edu>  
Subject: [20058] more FDIM pix  
Message-ID: <v03020900afa97467ec48@[129.74.35.26]>

Check out <<http://qrp.cc.nd.edu/qrp-l/dayton97/>>.

I've added a few more pictures from the Thursday night hospitality room and Roy Lewallen's Thursday talk about QRP Field Day operation.

Enjoy.

72,

--Steve

---

Steve Hideg, N8HSC/9 QRP-L #136  
Check out the Internet QRP Club's site on the WorldWide Web:

<<http://qrp.cc.nd.edu/QRP-L/>>

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ukii@megsinet.net (ukii)  
Subject: [20045] My View; QRP/DXCC  
Message-ID: <19970522002258240.AAA182@ns1.megsinet.net>

Hello Gang.  
QRP/DXCC Award... Well,as we all know,Its only worth what you put in to achieving that award. Many Big Buck stations can do DXCC in a week while a nominal 100/dipole station might take a year. Lets not forget about that old timer who keeps saying he made DXCC on a coathanger, literally , but fails to tell you it was at the peak of some fantastic solar cycle.  
Anyway, as with anything,its all about honesty and effort...  
If you want to cheat ,well,fine with me because you have to live with yourself.

Now,ARRL.....  
Someone mentioned they dont belong and gave their reasons...I follow the same line. I believe the ARRL is controlled by YEACOMWOOD (as someone mentioned) Also seems the ARRL is so close to the FCC that any "suggestions from the ARRL seem to mysteriously happen.

As far as a QRP endorsement... Well,after reading all these excuses the ARRL seems to be passing out I ask you,,, "is getting that endorsement from them worth it NOW ?". I would not chase after it if they offered it tomorrow. Seems it just kinda lost any prestige or "honor" normally associated with many of the other fine awards offered.

Suggestion...  
Wouldnt a QRP/DXCC award offered by QRP-L or one of the clubs (hint NorCal) Be worth a heck of a lot more to you? It certainly would to me...  
(maybe one club is already offering this?)

Ok,enough rambling... I did not mean for this to offend anyone,it is just MY point of view.

Best 73 de john

n9ukx

PLEASE,all flames to TRASHBIN@CITYDUMP.ORG

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: gregoire@endor.com  
Subject: [20103] N.E.QRP/c. DXCC  
Message-ID: <Chameleon.970522170412.GREGOIRE@Gregoire.endor.com>

Hello Gang,

This thread is a tribute to QRP'ers everywhere.  
It must have a low sulphur count because there have  
been no flames despite the enthusiasms of the  
participants.Bravo!

Some thoughts regarding obviously well thought out  
arguments on DXCC QRP.

Recognition is important,even to our selves, or  
we would be mute on the subject.

DXCC is the "Real Thing", refer to the previous  
statement.

We have a better chance of changing the  
DXCC-QRP rule/excuse/reason, on the inside rather  
than being on the outside with our noses pressed against  
the ARRL window.

Working within the system is laborious, time consuming,  
un-glamorous, and requires conviction, dedication, persistence,  
and patience. It's the way our nation was founded.

Brother and sister QRP'ers, Unite.

There is virtue in putting one foot in front  
of the other, for common good.

We will persevere through dedication and  
hard work.

73

-----

	WIMPS	
12 M ST/PRV,DX	17 M ST\PRV,DX	30 M ST/PRV,DX
00--00	01--00	03--00

de AA1IK,  
Ernie Gregoire

Lead by example.

It is better to pull a string,  
than to push it.

R.R. 1, Box 221,  
South Rd.  
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202  
QRP-L # 95, Fly fisher & tier,  
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

05/22/97 16:37:31

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: n4js@amsat.org (John Sielke)  
Subject: [20050] N2DAN SK  
Message-ID: <3386a23f.19590873@mail.cyberenet.net>

I mdon't know how many of the qrp-l group also subscribes to the cw list, but I thought I'd pass along, Steve, N2DAN passed away last night from liver cancer. Steve was famous as the maker of the Mercury paddles. There are only about 305 sets of these in existence, I understand. I had talked to him a couple months ago, and he had said to call him after Dayton. I guess it's too late, now.

73 to you, Steve

<pre> _ _ _ _ _   \         _     / _ _     . '     _ _       \ _ _ \   _   \ _     _   \ _ _ /   _ _ / NE-QRP #507 G-QRP #9544 </pre>	<p>John L. Sielke n4js@amsat.org n4js@pobox.com n4js@n4js.ampr.org NJ Grid:FM29LN <a href="http://www.qsl.net/n4js">http://www.qsl.net/n4js</a> NJ-QRP #57 QRP-L #884 QRP-ARCI #9328 NorCal #1989 QCWA FISTS #2781</p>
--	--

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997



From: REDSBOY@aol.com  
Subject: [20056] Need MFJ Freq Counter advice PLEASE!  
Message-ID: <970521233906\_-1365241182@emout19.mail.aol.com>

I am just starting an NW40 kit and it is time to measure the osc. freq. I have an MFJ-259 which has a frequency counter. The MFJ instruction book simply says, "To determine the frequency connect the frequency counter connection on the top of the MFJ-259." (Or words to that effect.) There are lots of words about all the terrible things that will happen if you do it wrong, but not anything on how to do it right.

I called MFJ and they said I needed a 1/1 or 10/1 probe, such as that used on an oscilloscope. And they said I could get one at Radio Shack. Radio Shack has no idea what they are talking about, and no such animal is listed in the RS catalog.

Can someone please advise me what I need to do to use this MFJ-259 unit, and where can I get whatever it is I need? Meanwhile, here I sit with this hot soldering iron in my hand, and a just-started kit strewn all over this bench. HALP!

Thank you

Karl W4UTI

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Doug Hendricks <ki6ds@dpol.k12.ca.us>  
Subject: [20136] Need some help for Milliwatt Project  
Message-ID: <3.0.1.32.19970522145613.0069f050@telis.org>

One of my purchases at Dayton this year was the complete set of Milliwatt Back Issues on CD Rom, done by Tom Arvo. I excitedly loaded it at home on my computer and there was a good news/bad news reaction. The good news is that it is all here. The bad news is that it has been scanned in as a graphic. In other words, you can't search it. I contacted Tom and asked him why. He explained to me that he wanted to preserve the historical documents in their original form and he has done a wonderful job. I suggested and that we find some volunteers to help with the keying of the original text into ascii, plus find someone to do the schematics with modern output. That way, Tom could come out with the Milliwatt CD 2 which would not only have the original material as it first appeared, but the same material would be produced in a form that could be manipulated and searched. Much more valuable.

Here is the plan. I need 15 volunteers to help key in the text. You will need to type about 22 pages, and then proof it and spell check it. I will

do issues 1, 2 and 3. I also need 3 volunteers to do the schematics, one for issues 1-11, 12-22, and 23-33. How about it guys? Are you up for it? If you can type, we need you. You will send the output to me in ASCII format, and I will collect it and sent to Tom. This is your chance to give something back to a great hobby. 72, Doug, KI6DS

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [20113] Oscope operation hints  
Message-ID: <199705221745.LAA06027@zia.aoc.nrao.edu>

There has been some traffic on qrp-l about how to use your scope, plus those recently acquired at Dayton, etc. Since I didn't go to Dayton, Doug Hendricks asked me to write an article for the summer QRPP on basic oscope operation. I decided to make it a 2 part article; sent part 1 to Doug which he received and will be in the next QRPP.

Part 1 has a block diagram of a basic scope and explains the general functions (vertical, horizontal, trigger level, etc.); then how to calibrate it and adjust for astigmatism and trace rotation; then basic measurements with oscope displays in the article based on the 38-S (but applicable to any QRP rig) for checking the T-R switching, making DC measurements, AC measurements, converting Vp-p to Vrms to dB's, and basic frequency measurements (such as measuring your sidetone frequency and transmit offset shift). All measurements were done on my lousy NLS scope (Non-linear Systems) with a 5MHz BW. Oh yeah, also describe how to measure phase shifts through a filter and delay line for a phased array (for both dual trace and single trace scopes).

In Part 2 I will describe how to make some advanced measurements with a cheapie scope, such as side band rejection, filter responses, filter group delays, oscillator phase noise, etc. That will probably be in the Autumn QRPP.

I will also try to convert the Part I article from CorelDraw to ASCII, and post to the group a bit later if there is enough interest.

72, Paul NA5N

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Joel Malman <malman@BBN.COM>  
Subject: [20049] QRP DXCC

Message-ID: <199705220044.UAA151966@nss2.CC.Lehigh.EDU>

Group,

My QRP DXCC thoughts, for what it is worth ... (my 7.2 cents):

I've worked 109 countries on the ARRL DXCC list and have a batch of DX QSL cards, some of which say QRP, but most do not. Even though they were all QRP on my part.

Did I have fun working stations with call signs like JA, VK, FW2, HC8, and 9J2 (for example) from Mass -- you bet I did. Would I want to work them again -- for sure.

Hey folks, the point is we don't need a piece of paper to prove anything. We have the joy of working stations be it DX or Local in the mode we choose to operate in... and we enjoy what we do. If the ARRL or some other organization does not want to show its 'approval or acknowledgement' of our effort that is OK by me.

72's to all.

/joel wa1qvm (malman@bbn.com ... Concord, Ma.)

WIMPS: Qs=116 30m=105 17m=10 12m=01 States=22/03/00 DX=038/07/01

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: TMOLL@aol.com

Subject: [20127] QRP DXCC

Message-ID: <970522164727\_642265646@emout08.mail.aol.com>

Glenn, V31RY wrote

<< Those cards still have to be sent to ARRL HQ in Newington, something hams in the U.S. take for granted!

I bet most foreign hams don't consider having a DXCC certificate a trivial thing when they've gone to more effort than most U.S. hams to earn it. You have either earned a DXCC Certificate, or you haven't! Claiming to have 'worked' 100 countries isn't the same thing.. >>

Well, I do understand your point, but if the primary challenge (and expense) is in getting the QSLs (which may be true in some cases) then why don't we get the award from the postal service, or some mailing club ? Lets just call it the IGOHCTTM award (I Got One Hundred Cards Through The Mail). They wouldn't even have to be for QSOs made. The foundation of it \*is\* making the contacts, and I would guess that it is a lot easier for many DX stations to

\*work\* 100 countries than it is for many state side stations. Just MH0.  
Isn't this never ending thread getting boring? I can't believe I just helped  
perpetuate it.  
Tom Moll, NoBS

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Richard Sherman <srichard@aldus.northnet.org>  
Subject: [20137] QRP DXCC  
Message-ID: <3.0.1.32.19970522182138.006d0994@aldus.northnet.org>

Hi All,

I checked the DXCC rules, they are on the ARRL web site, and are  
interesting reading. Look at Section 1, Rule 13. It says all applicants  
must sign a statement affirming they operated in accordance with the DXCC  
rules and the Amateur Radio regulations for their country. So it seems that  
DXCC is, in a sense, operating on the honor system. So they are correct,  
power levels and legal operating can't be verified from the QSL card,  
that's assumed because you signed the application.

73 de Rick WZ2T  
Affiliated Club Coordinator  
ARRL Northern New York Section  
srichard@Aldus.northnet.org

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Joe Gervais <vole@primenet.com>  
Subject: [20047] QRP DXCC Award - Thoughts  
Message-ID: <199705220037.RAA06086@usr03.primenet.com>

Howdy Folks,

Just to toss in another angle of analysis on the QRP  
endorsement for DXCC, what would possibly be the motive  
to lie? Follow me here for a moment. (And yes, I will  
forward this to the ARRL.)

1) I've never met a QRPer who would lie about whether  
they were QRP or QRO. It's not about maniacal ego, it's  
about challenge. We're a different breed. Why else would  
we operate QRP in the first place? Running QRP defines

what a QRPer is (in temperament, skill, etc)! There's no "macho" factor in a QRP endorsement. Only patience and cunning. Who else would it appeal to?

2) Likewise, I've *\*never\** met a QRO op who would want to falsely claim they were running QRP. Can you imagine a KW op lying to get QRP DXCC and posting it proudly? The paper would just scream "You wasted \$2500 on that amp".

Given these two observations, and the fact that there appears to be no shortage of ops who regularly exceed the legal power limits in pursuit of DXCC (and face no consequences), I fail to see why the word of a legitimate QRPer should carry less weight than the word of any other ham.

Why not just require sworn, notarized statements for QRP and QRO ops, and add that language to the text of the award? At least that way the illegal ops would have to face what's left of their conscience each time they looked at the paper.

It seems like such a no-brainer.... Can't believe there's even a need to champion the cause. *\*sigh\**

No barbs meant for you, Ed. I just wish we had a mole in some of those meetings every now and again.

(Hey, shouldn't I be filling out QSL cards or something? :- )

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix), Pedantic ARRL member

"And now... The exploding Blue Danube."

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Lockwood <Robert.Lockwood@tek.com>  
Subject: [20096] Qrp Plus Price Reduced  
Message-ID: <01BC6693.AB8F4450@wahoo.cse.tek.com>

My dad would like to sell his Qrp Plus with matching Tuner/Battery for \$600 plus shipping.

If interested please contact: Bob Lockwood (W4FXI)  
email: rlockwoo@runet.edu

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Liesenfeld <wb0poq@visi.com>  
Subject: [20048] Red and yellow cores  
Message-ID: <338395CC.861B0C@visi.com>

Hi gang,

I have always stocked a bunch of -2 type (red) torroid cores for general 3-30 MHz projects. The Amidom etal literature suggests to me that this is the best mix for this freq range. However, I'd like your feedback on -6 (yellow) cores as well, for this freq range. I know there are some that are better for VFO use (temp stability), but I'm mainly interested in filters etc. While we are at it, what about ferrite cores??

Thanks es 72 dit dit

--

Genuine E-mail From the Land of the Everlasting Icicle...

Bob Liesenfeld  
wb0poq@visi.com

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ptaber@microtest.com  
Subject: [20089] Re[2]: Why no QRP DXCC...  
Message-ID: <9705228643.AA864316186@microtest.com>

>> If you're not a League member, you don't have a Division Director, or  
>> any input that the League considers worthwhile.

>

>Yep!

>

>And if you join, then you'r supporting their positions!

>

>Darned if you do and darned if you don't!

Ooooh! Good rationalization! You wouldn't want to support the policy of trying to get the FCC off its dead butt and enforce the rules. You wouldn't want to support the policy of getting good, inexpensive technical information out to the public. You wouldn't want to support Volunteer Licensing or fight against restrictive antenna laws, code practice, the bulletin service, Field Day exercises, ARES, nor would you want to support an independent testing lab. Not until they came into perfect alignment with your views on a sticker to put on your DXCC certificate....

There are thousands of members in the ARRL. Someone is going to disagree with

virtually ANY position they take. You have to look at the big picture in a big organization. If you want to change some small part of it, you CAN -- if you do it from the inside. There aren't that many people actively involved in any given part -- they all know each other by name. You can be one of them. Or you can sit on the outside and leech the benefits of everyone else's work. Just don't pretend you have the moral high ground when you do that.

>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ptaber@microtest.com  
Subject: [20074] Re[2]:Why No DXCC/QRP from ARRL  
Message-ID: <9705228643.AA864307185@microtest.com>

>In my opinion, the DXers think that they own this hobby and the ARRL  
>pretty much thinks that too.

Yeah, and HF people think they ARE the hobby.  
And CW people wish they owned the hobby.  
And Packet people never listen before transmitting.  
And what's this crap kids today call music, anyway?

All generalizations are flawed ;-)

Rather than winge about it, do something. Working Dave Summer over is fine, but as Bob Goldthwaite says, that's like complaining to Ronald McDonald when you get a bad hamburger.  
Go after the DXCC advisory group if it's that important to you. I expect few changes to the DXCC program ever got approved on the basis of ad-hoc suggestions.

>>>==>PStJTT (KC1TD)

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Stephen John Farthing <stephen@stevef.demon.co.uk>  
Subject: [20133] Sherbourne QRP Convention report  
Message-ID: <5tb+CGAF0IhzEw5S@stevef.demon.co.uk>

I have heard so much about Dayton that I thought I'd post a report about

a somewhat smaller event on at the same time organized by the G QRP Club.

The day started at about 0630 when the alarm call woke me from a deep sleep. Got up, loaded the car with some stuff to sell and drove over to G0HFX at Southwick, transferred junk to his motor and travelled to Sherbourne some 45 miles distant.

Arrived at Sherbourne at about half eight, set up our junk stall and had a cup of tea with a hot bacon roll. Wonderful stuff. Quick skulk around the other stalls for bargains, notice a Kent Key and some FB kits for TCVRS on the Welford Electronics stall. Also Hands electronics stall with exciting though expensive GQ2000 prototype complete with numerous whistles, bells and other bits.

Chris, G0HFX and I were trying to sell stuff on behalf of the family of an SK. We were soon surrounded by many bargain seekers who were routing through boxes of components many of which dated from the 1920s onwards. There is something sad about seeing a carefully collected set of junk, half made projects and odds and sods being trawled through by guys looking for the odd item of value.

At 1000 I left Chris, stopped by the G-QRP Club book stall, purchased a copy of "Radio Projects for the Amateur" by Drew Diamond VK3XU and headed for the railway station to meet Doug Faunt N6TQS who was due in by train.

Sherbourne is a really pretty small town with a castle and all sorts of other interesting buildings. I am always amazed that its not visited by more of you colonials - much better than London.

Doug arrived at 1115 and we walked back to the convention. I had never met Doug before so it was nice to see him in the flesh rather than as an E Mail message. He brought with him an R2 T2 kit for me plus a gift of a 38 Special T Shirt ( I was knocked out with it and still am). Thanks again Doug.

Had lunch with Doug, Jan G0BBL and the chairman of the Dutch QRP Club at the pub, great sitting in the sun with a beer chatting about QRP.

In the afternoon had a spell on the stall, looked at the homebrew display which was pretty good and spent some money. I got the key for a good price, bought a kit for an 80 Meter DC TCVR from Tim Walford and a 2Meter amp. Most of the junk I took I had not sold so I gave it away. Some happy people now have free boatanchor dimension PSUs.

Doug left at about 1600 and I saw him to the train station. Then we packed up the unsold stuff and went home. All in all a great day at my



favourite UK Rally - it's never too crowded, there is invariably a good selection of things to see, old friends to meet and new ones to make. So if you are in the area next year give it a try.

--

Stephen John Farthing MBCS G0XAR  
Melksham, Wiltshire UK  
RSGB G-QRP 7766

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ji3m@maxwell.com (James R. Duffey)  
Subject: [20093] Short Vertical Post  
Message-ID: <v02130501afaa1ac21c0e@[192.31.66.229]>

Cecil - I also will keep this short, although I would not characterize our discussions to date as a rathole.

The SLV is 20 feet high. On 7 MHz, the band we are discussing operating on, this is 0.15 wavelengths high, or 54 electrical degrees. From the charts found in most antenna books on radiation resistance versus height; this height antenna will give a radiation resistance of about 10 Ohms on 7 MHz. This is the origin of the number I used for radiation resistance. Depending on how you enter the parameters, EZNEC should give you an answer close to this on 7 MHz.

Your value of radiation resistance of 4 Ohms for the top section only is too low. You have not included the coil length in your calculation of the antenna height. The coil length should be included in the antenna height as the coil will radiate and contribute to the radiated field of the antenna since there is a net vertical component of current in the coil.

At 7 MHz, about 200 Ohms of inductive reactance is required to resonate a dipole antenna of twice this length. I obtained this figure from the table in the ARRL Antenna Book on shortening dipoles with inductors. I assumed the coil was located at the base, and divided the value given in the table by two since we are using a monopole rather than a dipole. With the AC loss I used; 6.2 Ohms, this gives a coil Q of 32. As you guessed this is a poor coil, as a good AirDux or B&W coil can have Qs in excess of 500.

But, even if I use your value of coil loss resistance, 40 Ohms, the correct antenna radiation resistance, 10 Ohms, and a ground loss of 25 ohms, I still get a radiation efficiency of 13%; which is above your original stated figure of less than 10%.

I feel this data technically support my original criticism of your

statement that the SLV has less than 10% efficiency figure.

All this is moot, except as an intellectual discussion between us, as the MMA modifications on the SLV result in a much better antenna, with a low loss, moderate Q coil.

If one is interested in the SLV, is aware of its limitations, and can live with the negative points, then he/she should build or get the version with the MMA 40 M coil. It can be assembled for little more than the cost of the SD-20, \$25, or \$75 if you buy all the parts from W6MMA. Both these figures are substantially below the hundreds of dollars you associated with commercial vertical antennas. Plus, if you grow unhappy with the SLV you have a nice 20 ft pole which can be used in other antenna projects, a nice coil, and some experience in building high Q inductors.

I still claim that verticals have their place and are often presented in their worst light by their detractors. I am not an ardent SLV fan, but I think the negative comments made about it, or any technical topic, should be justified.

Keep up the posts Cecil - they keep me on my toes. - Duffey KK6MC/5

James R. Duffey  
Principal Scientist  
Maxwell Technologies Incorporated/Albuquerque Division  
Suite 300  
2501 Yale Blvd SE  
Albuquerque, NM 87106

(505) 764-3143  
(505) 843-7995 (FAX)

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "W. D. Lindsey" <70511.3041@compuserve.com>  
Subject: [20122] SLV/Vern Radial Question  
Message-ID: <970522191056\_70511.3041\_IHD86-1@CompuServe.COM>

Gang:

Ready to assemble Vern's SLV/MMA....but have a question about the number of radials. Looking at \*his\* drawing that comes with the coils, I cannot determine

how many are need for each band.

His drawing seems to indicate only a single piece of 5-conductor rotor cable, modified as he shows. But does one actually need three or even more of these (ie, in the original SLV needed 3 of them)?

Any help will be greatly appreciated. Also, has anyone tried the ground strap from Radio Shack (comes in 10-foot lengths) to run from the coil downward to the base unit? Or, are there better ideas from anyone?

Many thanks in advance for any assistance with this.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqz 414 mn-qrp 19 ak/qrp 139  
nj-qrp 69 ARRL <><

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: svecbrdk@well.com (L.Svec,W.Burdick)  
Subject: [20067] SST: First QSO on 30m version (WL7VO), plus misc. factoids  
Message-ID: <199705220813.BAA02185@smtp.well.com>

More SST news (all good) from SST headquarters in Belmont, CA.

I finally had a chance to put the 30m version of the SST on the air. Conditions were marginal, but I hooked Dick, WL7VO, in Chicken, AK on the first call. 439 report--not bad for 2W and a vertical. No luck calling the ZL4 after that....not yet, at least.

Here are a couple of measurements taken on the completed 30-meter version w/13.8V supply:

Transmit power out, max: 2.7W

Transmit PA efficiency: 77% at 2.0 W out

VXO range: 10.105-10.118 w/MV209 varactor  
10.097-10.112 w/MVAM108 varactor

Note: High end of VXO range can be moved up to  
10.123 with an inductor change

Receiver selectivity: approx. 300Hz at -6dB (AGC off)

Wayne  
N6KR

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ukii@megsinet.net (ukii)  
Subject: [20046] THANKS! (Dayton reports)  
Message-ID: <19970522002258240.AAB182@ns1.megsinet.net>

Well, having never been to Dayton I want to thank all you people for posting your findings/adventures. It kind of allowed me to experience the fun with you. Man, quite a few of you should be writers! (sci-fi chuck?) There are so many interesting and funny stories popping up here that I have found myself checking mail 4 times a day! Anyway, from the bottom of my heart, thank you for the postings. I certainly enjoy each one of them.

I am planning on attending next year and actually got a room already lined up! Looking forward to a few more stories and also need that Secret Bathroom location please!

Best 73 de john  
n9ukx

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: kkumar@tele-tv.com (Krishna Kumar)  
Subject: [20107] Tuner choice  
Message-ID: <00007960.1755@tele-tv.com>

Hi guys,

My name is krishna. I have an indian call sign vu2vku. I am in the US(virginia). I will be going back after a while to India. In the

meanwhile, i am planning to set up a nice shack back home. I just got a TS-440S/AT from one of our QRP guy :-). It can go low power too :) I have seen web postings for sale of MFJ - 949,949D,948 etc. I want a tuner that can tune to say 100W , so that even if i had to check the rig, i can do it .The other problem would be the availability of spares in India. If the stuff does not work, then i will be in trouble getting it fixed.So i would like to get time proven gear for the shack.I might most probably use a dipole/vertical/random wire antenna (all coax fed) .Please help me with your suggestions.

thanks  
krishna  
w4/vu2vku

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [20057] Web page  
Message-ID: <199705220348.UAA29391@dancris.com>

If you haven't visited my page recently, I've added links to other qrp/ham pages, both individual and club. Most recently, to the Slovenian QRP Club page.

If you have a page or know of one that I should link to, please let me know.  
73,  
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP ARCI #8918, AK QRP #30, not in any order of importance.

<http://www.dancris.com/~ki7mn>  
WIMPS: QS0's=18 30=18 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=5

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: gsurrency@juno.com (Gary L Surrency)  
Subject: [20042] Working my way to DXCC, award or not.  
Message-ID: <19970521.163111.9862.0.gsurrency@juno.com>

So, How's DX? Funny, that sounds familiar somehow. ;-)

Ok, so I just keep working the DX on 20m, regardless of whether the ARRL grants awards for DXCC or not. I have even stopped mentioning that I run QRP when I work DX. Let 'em read it on the QSL card. Bah ha! ;-)

Last night I worked:

UR4WWT     Ukraine  
HA5JI        Hungary  
RA3AUM       Russian Rep.

Also heard: (but didn't work 'em)

UA3QDX     European Russia  
4F3CV       Phillipines  
UX3HX       Ukraine    (almost got him, but not quite :-p )  
OH6UC       Finland (Arje, where were you?)  
RW3AH       Russian Rep.  
EW6WF       Belarus  
FR8xx       Reunion    (I didn't write down the rest of the call)  
OK1VK       Czechoslovakia

You get the idea. All of this DX was coming in from 8:00 pm to 10:00 pm local time. Even with the low mounted sloper I have, some of these guys were at least RST 589. Now I'm really toying with the idea of putting up a half-square to put more of my 5 w into the lower radiation angle. I used to have a wire beam for 20m, using a single parasitic reflector wire and pointing at the West. Alas, it too was mounted very low due to local covenants and restrictions. So I took it down and put up the sloper that is mounted higher.

Mostly Northern Asia, with a few European countries and the Western Pacific represented. Funny, never heard any ZLs or VKs. I gotta say most of these guys were VERY patient, and gave extra effort to pull out the weak sigs, some of which weren't mine. Maybe QRP is training some better ears out there, 'cuz I remember when many of the Asian stations just didn't hear or care about anything that was less than a Q5 signal. Kudos to them for their effort!

A bunch of these guys in Asia make their own rigs from scratch. And there were some real polished CW ops strutting their stuff last night. Really neat to hear all the activity. I noticed a lot of stateside hams who were very strong, but waited and listened patiently while other stations worked the DX. A well mannered crowd. Much nicer ettiquette than usually heard during contests.

Today I heard the WWV report, and the solar flux was up to 75. Maybe things really are starting to improve. Go get 'em.

Onward toward DXCC. Ain't no stopping me now.....

This sure helps fill in the time between Fox hunt season! ;-)

Oh yeah. I got my NA5N QRP Data Book for Homebrewers and QRPers today. Folks if you ain't got one of these yet, you just don't know what yer

missin'. Lotsa neat stuff, to be sure. It's just an incredible amount of technical material and QRP related stuff in a very handy manual. This is one manual you'll want to take along with you everywhere, as there is a tremendous amount of interesting reading in it. Great to carry along with you to the, ahem, throne. Thanks for a great effort, Paul. :-)

Also, thanks to all the of the Dayton attendees who took the time to write about the experience. It was much enjoyed by yours truly, and probably most of the rest of the QRP-L as well.

Sorry for the bandwidth, but I hope this DX reporting spurs all of you to turn on those rigs late at night and check out what's going on the higher bands now. The fun is really about to begin. If you haven't been a ham during a sunspot maxima, you ain't seen nuttin' yet!

72,

Gary Surrency AB7MY  
QRP-L #571 Chandler, AZ (near Phoenix)Grid Square DM43BH  
Az ScQRPions  
20m DX QSO's with OHR100: 10

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Raventhorne <jelder@ix.netcom.com>  
Subject: [20064] Re: 38S-offset  
Message-ID: <2.2.16.19970521210915.2987ca28@popd.ix.netcom.com>

At 06:40 PM 5/20/1997 -0400, Kenneth W. Evans wrote:

>The problem is that the transmit offset varies with the frequency. If I  
>zero baet a carrier on 10.102, when I transmit, I'm 1.5khz  
>higher(10.103.5). Zero beating a carrier at 10.126 yields a transmit  
>frequency 200 hz higher! The following chart shows the spread across  
>the band:

> Receive Freq	Xmit Offset
> 10.102	+1.5 khz
> 10.108	+1.2 khz
> 10.114	+900 hz
> 10.118	+600 hz
> 10.122	+200 hz
> 10.126	+200 hz

My 38s is strictly stock right now. My Tx offset was only ~200 Hz until I bypassed the diode (D6?). Then I got an ~800 Hz offset. I measured this across the entire band, and it was darn near constant. I have played around with the capacitor (I don't have my manual here, not sure what number it is,

but it's the one shunted by the diode) value, and determined (using the original 47 pF plus two other values) that I need about 64 pF to get a 560 Hz offset. I'll put in a trimmer next time I order from Dan's Small Parts. Regardless of capacitor value, the offset stayed constant across the entire band.

72,

John

@~~~

@ John Elder, Ko6TS

@ PHROG (Pagan Ham Radio Operators' Guild)

@ Box 232, El Segundo, CA 90245

@ So many fools, so few comets . . .

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [20105] Re: 38S-offset

Message-ID: <199705221726.MAA01983@multi13.netcomi.com>

W4DU encountered 38S offset problems:

> The problem is that the transmit offset varies with the frequency. If I  
> zero baet a carrier on 10.102, when I transmit, I'm 1.5khz  
> higher(10.103.5). Zero beating a carrier at 10.126 yields a transmit  
> frequency 200 hz higher! The following chart shows the spread across  
> the band:

> Receive Freq	Xmit Offset
> 10.102	+1.5 khz
> 10.108	+1.2 khz
> 10.114	+900 hz
> 10.118	+600 hz
> 10.122	+200 hz
> 10.126	+200 hz

Without a lot of information to go by, I have to assume a few things, but I'll take a stab at the problem.

My guess is that you have too much of a good thing. Huh? You have a VXO that manages to cover about 25 kHz, which is excellent, but may also be the source of the problem. In order to move a crystal's frequency, you have to drastically lower the Q. Most of the 38Specials that I have seen or helped



to fix by remote control have a smaller tuning range than 25 kHz. I did some experiments to try to extend the range on mine, and I now have 25 kHz tuning, but have had to do some strange stuff to achieve it. I did find that it was easy to extend the range, but it usually had the effect that you are experiencing with your rig.

With the 38S, the crystal oscillator does shift a little during transmit due to a change in the circuit loading, but only 100-200 Hz, not enough to serve as a proper transmit/receive offset. So Ori had to put in the R/T offset circuit in the BFO crystal oscillator. However, if the Q of the VXO crystal is lowered too much, it will move a lot farther when the load changes in transmit mode. This effect gets worse the farther you get from the normal crystal frequency, that is, the lower you go.

How to fix it? I can't guarantee this without more tests, but I would suggest that you change L1 back to its original value before you installed the RIT (4.7 uH, I believe). My guess is that this will restore the VXO to more stable operation at the expense of reduced tuning range and slightly higher center frequency. If you want to move the frequency back down, you might be successful by adding a small ceramic capacitor across D3 -- something on the order of 5-15 pF. You might even put in a small trimmer cap so you can set the range exactly.

Try this and repeat your measurements. You may find that your R/T offset is too small, but if it is consistent throughout the tuning range, you can fix this by changing the value of C21.

Let me know how it goes.

Mike K1MG

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Ed Loranger <we6w@qsl.net>  
Subject: [20110] Re: 5-watt mod to 38's  
Message-ID: <338484D5.2922@qsl.net>

I hope I have everything... Here's a snippet I snagged.

-Ed L.

ubject:

38S: 5 Watt variable Mod

Date:

Tue, 15 Apr 97 15:45:34 EDT

From:

Bill Acito 15-Apr-1997 1502 <acito@asdg.ENET.dec.com>

To:

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

|Well I just completed the mod recommend  
|By Bill Acito        acito@asdg.enet.dec.com

Wow. Now I'm getting quoted....    :-)

the        Brian really gets all the credit. A few folks did point out  
          confusion in the documentation, and before this makes it's  
          way around, let me add the correction/clarification  
          (confusion between C102, R102 and R103): the text talks about  
          junction of C102 and and R102, but R103 gets removed;  
          it also shares the same junction as C102 and R102,  
          hence the confusion.

my        I'm at work, so I can't definatively check by looking; I will do  
          so tonight. I got the mod to work, so if this is wrong either  
          brain swapped them on the fly, or I'm just incredibly lucky. We  
          should probably add the fully corrected version to the Norcal  
          page.

Freq      My 38S has the high power, variable power, and NA5N output  
          filter mods, the grounding/bypass mods underneath, a KC1 for  
          readout and keyer, with a 10-turn pot for tuning. I used a  
          30pf mica and a 5-35pf trimmer in parallel to set the 700Hz  
          offset using another receiver. I get 5W+ out. The entire  
          thing is in a Lansing case (ala NN1G).

With apologies to W5VB0 for hacking his mod, and to  
those of you who are sick of hearing  
about Tiger Woods, Hale-Bopp, Heavens Gate, and now the 38S...

-----  
W5VB0 Variable power mod  
REV 3, preliminary (April 15, 1997)

rev 1 - original posting  
rev 2 - clarified voltage divider scheme (new resister and pot)  
rev 3 - clarified R102, R103 - which one gets pulled?

my changes to Brian's post in []'s

Bill W1PA

-----

To: qrp-1@Lehigh.EDU  
From: Brian Kassel <bkassel@dancris.com>  
Subject: NC38s:(Long) ScQRPion Variable TX PWR Mod

Here is the way that I did a variable TX power modification the my NC38S It only applies to those rigs which have undergone the high power mod; that is, the IRF510/511 has been added.

What it does:

-----  
This mod allows the TX power to be completely variable from milliwatts up to full output. The maximum power desired point can also be set.

How it does it:

-----  
The mod consists of adding a pot in such a way that a variable D.C. voltage, or bias, is added to the gate of the final FET. By varying the pot, the D.C. voltage at the gate can be varied from almost 0V (lowest power out) up to about 5.5 volts or so (highest power out).

The parts required are:

- 1.) 1 ea. 50K pot  
2.) 1 ea. 22K 1/4w resistor

[[ or

- 1.) 1 ea 100K linear pot  
2.) 1 ea. 47k 1/4w resistor

IMPORTANT: The R should be 1/2 the max pot value. ]]

- 3.) A .1 UF capacitor at C-101, if you removed it per the Paul Harden Mod.  
4.) Oh yea, some wire too to hook up the pot.

Macro instructions for the knowledgeable/impatient:

-----  
The mod only requires the addition of a 25K to about 100K pot. For this mod, the taper probably doesn't matter very much. I used a 50K, linear taper unit. One end of the pot goes to

ground, one end goes to the cathode of D-7 via an added 22k 1/4 resistor. This resistor sets the highest available TX power out when the pot is set for maximum. The center goes to the junction of R-102, [C-102, and the removed R103]. This junction provides an +8 VDC when the key is down (R-). This voltage is varied with the pot, and supplied as the bias to the FET at the junction of R-102 and C-102. You must remove R-103, which frees up the circuit for the mod.

Doing the mod, step by step :

-----  
1.) Replace C-101 (wire) with the capacitor that you may have removed

per the Paul Harden Mod. Or use a new one if you killed the little beastie on the way out.

2.) Remove R-103, we will use the holes left by the removal of the part to connect the new potentiometer.

3.) Solder one end of the 22K resistor to one end of the pot.

4.) Solder a wire to the other end of the resistor, and run it to the cathode or banded side of D-7.  
CAREFULLY solder the wire.

5.) Run a wire from the other end of the pot, to TOP hole, where R-103 used to be. This hole should be ground.

Solder both ends of the wire. 6.) Run a wire from the center of the pot to the BOTTOM hole, where R-103 used to be. This is the connection to the junction of R-10[2] and C-102. Solder both ends.

[[ 6.) Optional: a 6v or even 5.2 volt zenor diode can be put across the outer leads of the pot to make sure the voltage never exceeds

the Ids limit of the FET. I think this is at Vgs=6.5V... if you exceed this, you kill the FET, and don't even get the satisfaction of smoke and fire.... it just dies and you are back to 300mW. I know, i did it.]

Smoke Trapping measures:

-----  
1.) Double check everything.

2.) See above

FINI:

-----

With the rig turned on and keyed, measure the DC. voltage at the junction of C-102 and R-10[2]. As you turn the pot, the voltage

should vary from about 0 to about 5.7 volts. If you get maximum volts when the pot is CCW rather than CW, just reverse the connections at both ends of the pot. If you find that at the maximum setting of the pot you have too much output power, then make the 22K resistor larger. If you find that at maximum setting you don't get enough output then, oh heck, you know what to do, right?

We already know that some of the final FET's are hotter than others, so of course your mileage may vary, as they say in Texas.

Credits.

-----

The original idea for this mod came from the almost-famous Dan Tayloe at our last ScQRPion get together. I just kind'a worked out the physical details.

There are of course other methods out there I am sure on how to accomplish the same end. This is simply the way that I wound up doing mine.

\*\*\*\*\*  
\* Brian D. Kassel W5VBO - QRP NERD 10 - ScQRPion # 0 \*  
\* QRP-L #404 - ARCI #3623 \*  
\*\*\*\*\* >>

. . . . .  
Bill Acito  
acito@asdg.enet.dec.com  
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

--  
72/73 de WE6W QRP .3W QSX 7040 KHz SK ee (First and Last callsign!)  
HW-8;OHR-100, Pixie2, Johnson Viking II w/VFO.  
mailto:we6w@qsl.net QRP-L member #1068.

<http://www.qsl.net/we6w>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "duane" <duane@flinet.com>  
Subject: [20119] Re: 5-watt mod to 38's  
Message-ID: <199705221823.0AA10193@shell.flinet.com>

I had the same problem ... so I posted a schematic on my web site showing qrp'ers how to do the 5watt mod. The file is at <http://www.flinet.com/~duane/ham/ham.html> then goto my download section and you'll find it there. All the other ones seem to leave out the fact you must remove resistor R101. This mod is the variable 5 watt mod. This one works fine, BTW I did not do anything to the matching inductors or caps. this mod is for a stock rig with a variable 5 watt mod.

Duane AB4BE QRP-L#710  
<http://www.flinet.com/~duane>  
duane@flinet.com  
ab4be@amsat.org

-----  
> From: Dan & Donna Copeland <dcopeland@wwn.net>  
> To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
> Subject: 5-watt mod to 38's  
> Date: Thursday, May 22, 1997 1:22 PM  
>  
> I must be to dense to figure this out. Could someone tell me how to  
> take a stock 38's and install the 5-watt mod. There has been many  
> posted on the list but they seem to leave out some steps. If anyone  
> can help me, next year at Dayton I will buy them a grease dog or a  
> mystery meat sandwich :-).  
>  
>  
> Thanks and 72's  
> Daniel Copeland KF00V  
> dcopeland@wwn.net  
>  
> | QCWA Webmaster\*ARRL-life member\*QRP-L 1004\*Norcal 38S |  
> | Director Southwest Missouri Amateur Radio Club (SMARC) |  
> | <http://www.teleport.com/~qcwa> | <http://www.dcopeland.com> |  
>  
> "I want to die peacefully in my sleep like my grandfather,  
> not screaming in terror like his passengers."  
>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Hightower <ki7mn@dancris.com>  
Subject: [20090] Re: ARRL: OUNCE OF PREVENTION  
Message-ID: <199705221539.IAA06863@dancris.com>

Who cares anyway? If I get DXCC, WAS, WAC or whatever, on QRP, the award that counts will come from QRP-ARCI. If I hang it on my wall, chances are that very few people will see it anyway. If and when I achieve any of these levels, I'll know it and will be proud of having done so.

If there is a question as to the validity of an award because someone might have fudged a little, so what? No one really verifies most of it anyway, and the whole thing is somewhat subjective barring a really controlled environment. I haven't figures out a way to determine the strength of your signal into me accurately, so I must rely on your statement as to what power you are running. That's good enough for me. I know what my power out is.

On to real qrp stuff. My xyl, N7XJW, who is working hard to upgrade from T+ to Advanced or better, has completed her first building project, an OHR WM-2. She did a very good job, and it worked as advertised right off the bat. Flowers (virtual) may be sent to her at <bertieh@dancris.com>. Now she starts on a DD-1, then on an OHR 100. I'll get her on the air as soon as I can, and as soon as she feels comfortable with her 7-8 wpm cw speed. Maybe the last weekend in May on the Novice portion of 40. If you hear her, please come back slowly.

73,  
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ Grid DM43bi Lat 33.334500 Long -111.87260  
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL  
<http://www.dancris.com/~ki7mn>  
WIMPS: QS0's=18 30=18 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=5

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
Subject: [20088] Re: ARRL: OUNCE OF PREVENTION. (short)  
Message-ID: <5m1ord\$7o2@mgate.arrl.org>

SEAB&SHARON LYON <SSLYON@worldnet.att.net> wrote:

>I'd be real careful not to develop an "US vs Them" faction regarding  
>ARRL... (anywhere else either) esp. since in this case it leads to  
>schizoid paranoia. "Them is Us", after all. Just ask Nils what Thorazine  
>does for your CW. =s=

Besides, some of "us" are actually some of "you." (Or is is some of us are actually them, or . . . well, you get the idea!)

Ed Hare, W1RFI/QRP (ex KA1CV -- the old hippy pictured in QRP classics!)  
ARRL Lab

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [20108] Re: Assembled 38 Special wanted (forwarded message)  
Message-ID: <199705221736.MAA02218@multi13.netcomi.com>

I received the following message, but won't part with my 38Special, so I am forwarding it to this group in case someone else can help.

Mike K1MG

-----  
> From: Billie Fremont <utkid@phoenix.net>  
> To: mgipe@reliablemeters.com  
> Subject: 38 Special  
> Date: Monday, May 19, 1997 3:30 PM  
>  
> Greetings. I have been reading the NorCal pages from a fellow Ham's  
> homepage and ran across the 38 Special. I see where you came upon some  
> modifications to it. I am wondering if you would be interested in  
> selling an assembled model of the 38 Special. I am new to the qrp world  
> and want to give it a try. Frankly, I am not an experienced builder and  
> would like to see a working model before I become discouraged tackling  
> the project.  
>  
> If you are not interested in selling a completed version, maybe you can  
> direct me to someone who does build qrp rigs. I thank you for your time  
> and hope you have many fine years in the hobby.  
>  
> Please email me at : utkid@phoenix.net  
>  
> Thanks, David AA5SR

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "\"Matt Wright, AE4JM\"" <cnw@HiWAAAY.net>



Subject: [20040] Re: DXCC

Message-ID: <Pine.OSF.3.94.970521180238.12181A-1000000@fly.HiWAAAY.net>

Hey Al and Group,

Well, this has been at least either in the month of Jan. or Feb. when I sent Dave the email. So it was before all of this has came up. I understand now what I need to do if the QRP DXCC award should be even considered. I need to talke to my representatives I guess of my section, as you metioned. Matt, AE4JM

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: AE0Q V31RY <v31ry@ix.netcom.com>

Subject: [20123] Re: DXCC, etc.

Message-ID: <2.2.16.19970522191352.4e47060a@popd.ix.netcom.com>

At 14:55 22-05-97 -0400, KR0I wrote:

>My 2 cents.....

>

>I guess I'm missing something or maybe there has been a  
>rule change lately but I thought that ARRL membership was  
>a requirement for any US ham before they could apply for a  
>DXCC award. If you are not a member, you cannot apply for  
>DXCC.

That's the rule for WAS applications for U.S. hams, but not for DXCC..  
ARRL members are charged a little less for DXCC submissions, but ANY ham can  
apply for DXCC..

73 -- Glenn

-----

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK

v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--

<http://www.qsl.net/ae0q>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: Ken Lopez <kjllopez@earthlink.net>

Subject: [20063] Re: Help! Low power output on Sierra.

Message-ID: <33823071.5E87@earthlink.net>

Hi. I just finished my Sierra, with no problems. Everything worked the first time out, including the KC2 keyer/display.

One of the mods listed in QRPP is to reduce the number of turns on L5 by two for 160-80-40, and by one on all higher bands. I did it on 40 and 20 so far and it brought up the power out considerably. I get 4w on 40, and just about 3 on 20.

Hope this helps.  
Ken, N6TZV

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: dzn1@juno.com (Howard D Rubin)  
Subject: [20068] Re: JIPS NIR-12 DSP Software  
Message-ID: <19970522.194126.9878.0.dzn1@juno.com>

Jeff,

What was the original purpose of the NIR-12?

Who are JPS, and do they have a web-site where I can get original product data on the NIR-12?

Regards, Howard  
N3FEL  
Penn Wireless Association  
<http://www.pennwireless.org>

On Wed, 21 May 1997 22:37:47 EST wd4et@juno.com writes:

>Howard,

>

> JPS sells a reasonably priced software development kit for the  
>NIR-12.

>

>The development kit provides development software and an RS-232 port to  
>interface with an IBM compatible. The combination provides the  
>functionality of the Texas Instruments 320C2X DSP starter kit with  
>expanded RAM and additional analog I/O options. CPU readable switches  
>and potentiometers are available on the board for use in program  
>control. It also includes an audio amplifier capable of driving a  
>speaker. The assembler and debugger software is the same public domain  
>programs distributed with the TI board. Utility programs and sample  
>DSP applications are also included.

>

>The NIR-12 contains a number of features useful to software developers,

>including dual 320C26 processors, and expanded zero-wait state memory.  
>  
>Hope this helps. If you need additional info, I'll try to help out. I  
>have so many projects going, I have yet to install the development  
>kit.  
>  
>73, Jeff

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Roach <KE4QOK@worldnet.att.net>  
Subject: [20125] Re: More QRP DXCC Flap  
Message-ID: <19970522195931.AAA26535@LOCALNAME>

At 09:36 PM 5/21/97 +0000, you wrote:

>  
>a pileup with the kilowatters, you can tell whose running 4-6 KW. Why do  
>hams buy those expensive Henry Radio linears that run at power levels  
>well beyond 2KW?  
>

Hi Paul,

Seems obvious to me that it's a clean case of substituting money for skill.  
A QRP endoresment would be nice but a bought vs. earned endorsment would be  
more telling.

(o o)

-----o00\_( )\_00o-----

73 es TNX

KE4QOK               Real radios glow in the dark.  
Bob               Power is no substitute for skill.  
                  If it stayed up last winter, it was too small.  
136 Hermitage Rd.  
Newport News, Va. 23606 KE4QOK@worldnet.att.net  
(757)930-0348

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Cecil A Moore <Cecil\_A\_Moore@ccm.ch.intel.com>  
Subject: [20044] Re: More Vertical Efficiency (short & sweet :-)

>James R. Duffey wrote:  
>Why do you claim that the value I quoted is the DC resistance?

Hi James, That is what I inferred from your posting. Sorry if I misunderstood. Speed reading got me into trouble again. Your posts are pretty long.

To avoid an infinite rathole, I'm confining this response to comments on the original SLV which is resonant on 5.6MHz.

The coil must have 24 uh inductance to make the antenna resonant on 5.6 MHz. Allowing a  $Q=50$  for a coil made out of twinlead is generous. That would give the coil an AC resistance on 40m of more than 20 ohms.

EZNEC says the radiation resistance of the top section is less than 4 ohms on 40m. If the total other losses add up to more than 36 ohms, i.e. the feedpoint impedance is more than 40 ohms, the antenna has an efficiency of less than 10%. Ground losses could easily be more than 17 ohms.  $4+20+17 > 40$ .

I modeled this antenna as close as I could using EZNEC. EZNEC says the gain of the original SLV on 40m is -7dBi. Assuming a well-designed 1/4 WL vertical has a gain of zero dBi with an efficiency of 50%, -7dBi is very, very close to 10% efficiency.

Compare that to the +7dBi gain of a dipole. The dipole radiates 2500% more power than the original SLV. What EZNEC says about a 40m dipole vs a 40m vertical vs the original SLV on 40m is now posted on my web page at:

<http://people.delphi.com/CecilMoore/dipvsver.htm>

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: gregoire@endor.com  
Subject: [20106] RE: N.E.QRP/c. DXCC  
Message-ID: <Chameleon.970522172933.GREGOIRE@Gregoire.endor.com>

Hello Gang,

A mouse button push sent the last message on its way prematurely with out tying in the N.E. QRP club mentioned in the subject.

So, please forgive me for that.

Now,for the kicker.

There is always the other half of the story.  
Build a better mouse trap, and the world  
will beat a path to your door.

The N.E. QRP club is willing in spirit(,pending suitable  
volunteers ), to support a consortium of  
clubs in DXCC QRP ,award checking and issuing of  
a sticker suitable for placing on a DXCC award.

Should it become obvious that barking at the  
moon give us the same result as patient  
and persistant work within the system; we  
should then be willing to do it ourselves.

73

```
-----  
                                WIMPS  
12 M ST/PRV,DX      17 M ST\PRV,DX      30 M ST/PRV,DX  
                00--00                01--00                03--00  
-----
```

de AA1IK,  
Ernie Gregoire

Lead by example.

It is better to pull a string,  
than to push it.

R.R. 1, Box 221,  
South Rd.  
Canaan, NH. 03741

Fists # 2644, N.E.QRP # 202  
QRP-L # 95, Fly fisher & tier,  
Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

-----  
05/22/97 17:15:51

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Al Hunter" <ahunter@inland.net>  
Subject: [20073] Re: Need MFJ Freq Counter advice PLEASE!  
Message-ID: <199705221251.FAA19179@ns1.inland.net>

>I called MFJ and they said I needed a 1/1 or 10/1 probe, such as that used  
>on an oscilloscope. >Can someone please advise me what I need to do to use this MFJ-259 unit,

Hi Karl.....congrats on the NW40.....I didn't have a freq counter when I started the NW30, nor did I have a general coverage rx to monitor the oscillator. I just went ahead and completed the receiver portion and went from there. Another way is to finish the xmit mixer stage and then you can monitor the sig on your station rx, which I didn't have either. I wonder who you talked to at MFJ....I'd try again and get a tech who is more responsive. I'm sure you will get other responses from the group here. Keep me posted. 72/73

Al.....AA6SO

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [20115] Re: O'Scope and 38S Readings  
Message-ID: <199705221754.MAA02692@multi13.netcomi.com>

Bob --

Interesting problem.

>  
> Background: I bought a Tek TDS 210 while at Dayton, and for the first time, I  
> can now measure and examine my rig outputs directly. I measured my 40A, 49er,  
> Sierra, and everything displayed as one would expect. Pure Sine wave, and my  
> scope actually calculates the PP Voltage and displays it on the screen, so  
> power calculations are a snap...giving about the same results as my Watt  
> meter. (No, Larry, I haven't tried the QRP++ on 17M).

Nice scope. I recently got a TDS 220 and love it. Nice QRP size.

>  
> HOWEVER:  
>  
> When measuring my 38S, which has K1MG/NA5A output mods applied to the 5 W.  
> mod, I see both my sine wave, AND a second waveform that I wish I could

load

> to this message, because describing it is tough...but I'll try.

>

> It starts slightly above zero point, and goes horz. for about 280ns, then  
> negative to about -10V with some oscillations, then dampening straight  
for

> about 400ns, then a very sharp rise to a peak of 58V, and tapering back  
to the

> zero point in about 250ns. (Total cycle is about 850ns long)

>

> I get this, overlaying my normal output, even when T1 is tuned for  
maximum

> stability/cleaness which equals a 39v PP sinewave.

I think I get the picture. This repeats with about 1.2 MHz frequency?  
(One of these waveforms for every nine sine waves?) Is it actually  
overlayed with the normal sine wave such that it looks like you have two  
simultaneous traces? Is it synchronous with the 10 MHz sine output? Are  
you looking at the output of the transmitter AFTER the filter? Do you have  
the ground connection of the scope probe connected to a proper ground near  
the filter output? What is the other scope channel set to? Is the other  
scope probe grounded also? How do you sync to it?

It sounds a lot like a gate drive signal, but the frequency is wrong, and  
the 58 volt peak is too high. There is a strong potential for a 1.2 MHz  
spur if T1 is not precisely adjusted, but you say that it has no effect.  
Actually you say that the best you can get by adjusting T1 is this strange  
waveform. Does it affect it?

>

> Ok, I am familiar with Parasitics, doubling, but what is this? Weird  
looking

> pattern...

>

> 73, Bob

> -----

Need more info. What does the gate drive look like? Do you see any  
similarity? With practice, you can adjust T1 to get a good gate drive and  
achieve the cleanest output. What changes do you see with the gate drive  
when you adjust T1?

I'm intrigued.

Mike K1MG

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Paul Harden <pharden@aoc.nrao.edu>  
Subject: [20117] Re: O'Scope and 38S Readings  
Message-ID: <199705221813.MAA06849@zia.aoc.nrao.edu>

Bob and Mike,

When I did the original output spectrum tests on the 38-S, with the 5W mod, there indeed was some funny low frequency (<2MHz) power on the output. On a spectrum analyzer, it was pure noise power from DC to around 1.5MHz ... and heard as white noise on a receiver in that range. The values I recommended for C505 (330-500pF or so) corrected this low frequency noise power. Also, when doing the network impedance analysis of the output filter (without C505), it had a secondary resonant pole around 1.6-1.8MHz as I recall, which on a spectrum analyzer was evident by increased noise power at that frequency. On a scope, it would appear as a decaying function (bessler decay) at a 1.?? MHz rate, depending on the resonance of the pole.

When the 38-S first hit the street, Mike Gipe and I both independently posted some capacitor mods to the output filter only minutes apart. Have you added this extra capacitance? And have you also added the extra capacitance (to make 300pF total) to the input to the HCT240 final drivers. Both of those mods went a long ways to reduce the low frequency noise power coming out of the filter. Needless to say, the output of the filter (i.e., antenna jack) should be a fairly clean sinewave at 10.1MHz. At the input to the filter (IRF510 output) you should get a kinda cruddy waveform due to reflections, impedance mismatch, etc. at that point, and does not represent what is actually going out the spigot.

GL, and have fun with your new scope  
Paul NA5N

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [20132] Re: O'Scope and 38S Readings  
Message-ID: <199705222130.QAA08613@multi13.netcomi.com>

QRP-L list members:

I am posting this to the list for its educational value (if any). If this is not wanted, please email me privately and let me know. Thanks.  
Mike K1MG

Bob --



I just read Paul Harden's comments, and what he says about the capacitor changes is very valid. One shortcoming of the HC240 buffer approach is the high likelihood of generating spurs in the buffer. The whole trick is to overwhelm these with a strong, clean, high-voltage-swing input to the HC240 that keeps the HC240 out of the linear region where it can oscillate 'til it pulls down the entire North American power grid. That's where the adjustment of T2 is so critical. The cap changes make the circuit prefer the right signal over the wrong ones by better impedance terminations in both the forward and reverse signal paths.

>  
> No, one cycle for every 5 sine cycles, No, it flickers -- but sometimes I can  
> grab it in storage to examine--and when there, no sine wave is present -- (So,  
> I could say it alternates with the sine wave, but on a 1 to 5 period ratio).  
> Also yes, synchronous with the 10MHz sine. Am attaching probe to dummy load,  
> ground also at dummy load ( I later  
> moved the grd. to the board output--no difference), no long leads, channel # 2  
> set to ground -- no probe. Synch -- I never played with it after hitting  
> "Autoset" no sync problems, however.

Makes sense. Good setup. Try turning off the autoset sync. I suspect (as you do now too) that the 38S is jumping between the two modes, so that sometimes it puts out a good sine at 10.1 MHz, and sometimes it puts out the trash at the lower frequency. You will probably be able to adjust the trigger level to see one or the other at a time, although you may have to set the high frequency filter on the trigger to see just the sine wave. It sure is nice to have the digital storage available on the scope to see the signal one sweep at a time, isn't it? Plus the 1 GHz sample rate makes the Tek as usable as an analog 60 MHz scope.

>  
> <<It sounds a lot like a gate drive signal, but the frequency is wrong, and  
> the 58 volt peak is too high. There is a strong potential for a 1.2 MHz spur if T1 is not precisely adjusted, but you say that it has no effect.  
> Actually you say that the best you can get by adjusting T1 is this strange  
> waveform. Does it affect it?>>  
>  
> We are really talking about T2, to set the record straight.

Oops. Right you are. At least we both understood each other.

> When I rotate the  
> cap, the sine wave becomes distorted, wandering in frequency, I guess,  
and  
> stabilizes nicely in the correct position -- the second waveform, however,  
is  
> unchanged throughout the rotation.  
>  
> <<Need more info. What does the gate drive look like? Do you see any  
> similarity? With practice, you can adjust T1 to get a good gate drive  
and  
> achieve the cleanest output. What changes do you see with the gate drive  
> when you adjust T1?>>  
>  
> Ok, the gate is a sine wave, but with an additional sine shape at each  
peak of  
> the fundamental. When adjusting T2, it falls apart, then comes back to a  
> nice, stable form on the correct frequency.

Wow, I wouldn't expect the gate waveform to be anything near a sine wave.  
I would expect to see a pretty trashy-looking squarish wave with some  
strong ringing around 80 MHz and maybe a couple extra humps or two, all of  
which will vary dramatically with T2. Did you add the extra cap that I  
suggested for the gate, installed at the location marked ZD101? I forget  
the optimum value offhand, but something in the range of 100 to 200 pF is  
probably right.

> HOWEVER. I also measured the 12V  
> side of the 510, and guess what? a nice square wave, 11V pp at about  
700ns  
> period -- nothing else. Hey, this stuff is fun! All this stuff that I  
> couldn't see before! Glad my other rigs don't look like this!

Sounded good until you said 700 nS. I would expect to see a nice square  
wave at this point with a period of 100 nS. Sounds like it flips into the  
bad mode when you put the scope probe on this point. Are you sure that  
C501 is installed? The odd waveform you describe on the output is most  
likely this 700 nS square wave after it passes through the output filter.  
What happens if you put scope channel one on the dummy load, and channel  
two on the drain? Do you see only the bad output? Can you see the cause  
and effect relationship before and after the filter? Try putting the scope  
probes on the gate and the drain to see the relation between the gate drive  
and the channel current. (very educational)

First, make sure that C26 is 330 pF, that C501 is installed, and that the  
cap at ZD101 is installed. Second, remember that the optimum setting of T2  
is probably NOT where the sine output amplitude is maximum. It will work  
best just slightly off from peak output, where keying the transmitter

slowly on and off produces a consistently stable output sine wave, with no jumping to spurious modes.

Sure sounds like the HC240 is favoring its 1.5 MHz spur mode intermittently, so we just need to tweak things to keep it safely away from it. Either that, or it's something else entirely! Any more thoughts, Paul?

Mike K1MG

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Bob Patten <n4bp@shadow.net>  
Subject: [20065] Re: QRP DXCC  
Message-ID: <Pine.SOL.3.91.970522025655.11491D-100000@hyper>

To me, the ARRL's DXCC awards are all meaningless as long as they condone manufactured QSO's (AKA list operations). I instructed their bureau years ago to discard any QSLs they receive for me since I need only receive my satisfaction from the fact of working the DX station. My log is my record (yes I still keep a log of all Q's, even though not required) and costs me nothing (as opposed to hundreds of dollars to procure all those QSLs).  
Now there's a can of worms, does anyone here approve of DX list operations?

Oh yes, here's my policy on replying to QSLs:

1. If it's 2XQRP and includes SASE, reply with joy, file card.
2. If it's 2XQRP but no SASE, reply with some hesitation, file card.
3. If it's QRO and SASE, reply with hesitation, drop rcvd QSL in trash.
4. If it's QRO and no SASE, rcvd QSL goes directly to trash.

If it appears from all of the above that QSLs are not terribly important to me, I got my point across.

Bob Patten, N4BP	Plantation, FL
n4bp@shadow.net	<a href="http://www.shadow.net/~n4bp/n4bp.htm">http://www.shadow.net/~n4bp/n4bp.htm</a>
Brass Pounder BBS (954) 472-7715	

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [20128] Re: QRP DXCC  
Message-ID: <19970521.160205.9135.0.tahrens1@juno.com>

Yawn.....

de w5fn

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Kevin Bunin <p014455b@pb.seflin.org>  
Subject: [20129] Re: QRP DXCC  
Message-ID: <Pine.3.89.9705221735.H24198-0100000@pb>

trying to start a thread, bob?  
73 de kevin

Kevin Bunin  
p014455b@pbfreenet.seflin.lib.fl.us

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: ptaber@microtest.com  
Subject: [20075] Re:QRP DXCC Award - Thoughts  
Message-ID: <9705228643.AA864307183@microtest.com>

>Just to toss in another angle of analysis on the QRP  
>endorsement for DXCC, what would possibly be the motive  
>to lie?

Ahhh. I can answer that one. Because you want the first certificate with the new endorsement. Because you want a certificate with a number before some number you view as important (say like 1,000) Because you want the first QRP endorsement in your country. Because you want one with a number lower than the guy up the street. (I once witnessed the net.meltdown of a Brazilian operator who was totally frosted that his last card for DXCC/<something I can't remember> in Brazil came in after some other Brazilian station. If they arrest you for uttering threats down there, then he's still in prison.)

I'd got with Ed Hare's explanation -- they issue the award based on what can be verified. It doesn't matter if you worked a station with 10kW -- they don't verify that. They verify that the contact was made.

As to checking cards -- I've known some card checkers in my time. Perhaps a dedicated DXer can slip one past them, but people like you or me won't be able

to. Those guys are like customs agents -- they can smell fear. And they all but memorize the logs of every significant DX event.

Finally, it's not a winning strategy to try and get a new endorsement approved by discrediting the very program you want to become a part of. That's a wolverine mentality.

>>>==>PStJTT

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: tahrens1@juno.com (Tim H. Ahrens)  
Subject: [20134] Re: Sherbourne QRP Convention report  
Message-ID: <19970521.164947.9135.2.tahrens1@juno.com>

Thanks for the description Stephen - it was interesting to see what a 'hamvention' abroad is like!

cu

Tim W5FN

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Bob Follett" <bfollett@ditell.com>  
Subject: [20051] RE: Solar Flux is HIGH  
Message-ID: <199705220146.TAA26791@mars.ditell.com>

Hey Gang:

Make some noise on the upper HF bands....

<<IV. PENTICTON 10.7 CM FLUX  
OBSERVED 21 MAY 085  
PREDICTED 22 MAY-24 MAY 088/090/091  
90 DAY MEAN 21 MAY 074>>

Look at that! 91 on Friday!!!

Have fun, Bob

-----  
Bob Follett AB7ST, QRP-L # 129, NorCal, ARCI, 10-10, ARS  
2861 Estates Dr. VOICE: 801.649.6457

Park City, UT 84060      E-mail: bfollett@ditell.com

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Matt Wright, AE4JM" <cnw@HiWAAAY.net>  
Subject: [20054] RE: Solar Flux is HIGH  
Message-ID: <Pine.OSF.3.94.970521211031.28105A-1000000@fly.HiWAAAY.net>

On Wed, 21 May 1997, Bob Follett wrote:

> Hey Gang:  
>  
> Make some noise on the upper HF bands....  
> Look at that! 91 on Friday!!!  
>  
> Have fun, Bob  
>

Hey Bob and Gang,  
Yep, 10 meters was open this evening and tonight. It was great, worked one that I know of on 10 meters that is also on the list, KM1Z. I thought that was pretty neat. Have fun Gang, Matt, AE4JM

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: n0acs@juno.com (John R. Morris)  
Subject: [20061] Re: Why No DXCC/QRP from ARRL  
Message-ID: <19970521.232650.7439.8.N0ACS@juno.com>

O come on now.....like the other fellow said.....how can the league confirm that the QRO op wasn't running 4 or 10 kilowatts. And if you don't believe they do follow some of the "big boys" around at the hamfests and watch them snap up the 4CX5000 and I even know one that grabbed a 4CX10,000 tube walked across the isle and bought the socket for it.

TUSK, TUSK.....you league fellows all must bow the same direction every morning.....

All kidding aside...isn't this some kind of double standard?

72

John

On 21 May 1997 19:57:47 GMT "Ed Hare, W1RFI" <ehare@arrl.org> writes:

>Jim Dolson <dolsonj@ix.netcom.com> wrote:

>

>>I think that it is obvious why the ARRL does not what to issue a  
>sticker  
>>for QRP DXCC.  
>  
>I think that a careful analysis of Aristotle's science shows that  
>speculation, however inspired it may be, is only rarely proven to be  
>correct. :-)  
>  
>>In my opinion, the DXers think that they own this hobby and the ARRL  
>>pretty much thinks that too. We can't offend the DXers. Oops, I  
>mean  
>>we can't offend the QRP DXers.  
>  
>As a fellow QRPer who happens to work at ARRL, let me offer a bit of  
>insight.  
>  
>The reason ARRL does not offer a QRP endorsement to DXCC is that DXCC  
>is  
>an award offered only for those facts that can be verified from the  
>QSL  
>cards, by both the other operator and our DXCC staff. When an  
>operator  
>issues a QSL card, he or she clearly knows what country they are in,  
>what  
>band was in use and what mode was being employed. DXCC is based on  
>these.  
>There is just no way the issuer of a QSL card could know what power  
>level  
>the other operator was using.  
>  
>DXCC is an award that is recognized as an important achievement by  
>most  
>hams. This is due in no small part to the fact that it is not done on  
>  
>the honor system, but it awarded only after a careful examination by  
>qualified card checkers and ARRL HQ staff.  
>  
>IMHO, there would be no difference in the amount of personal  
>satisfaction  
>I would receive from an award that issued an endorsement based on what  
>  
>was claimed by me and the personal satisfaction I derived solely from  
>knowing what I had done. I speak from personal experience -- the  
>feeling  
>I got when I received my WAS for 250 milliwatts was a bit of a letdown  
>  
>compared to what I felt when I completed the last QSO and knew I had  
>met

>my goal. Now, I am working on 10 milliwatt WAS (30 so far, and I have  
>  
>been REAL inactive of late). I am not seeking QSL cards. When I am  
>done, I am done; I will know what I did and it will be good enough for  
>  
>me.  
>  
>Speaking again as a fellow QRP'er, when I beat out a pileup with 250  
>milliwatts, I gloat along with the best of them. If I make a few QRO  
>types feel a bit out of sorts, I don't think my boss will mind. :-)  
>  
>72/73 from ARRL HQ,  
>Ed Hare, W1RFI (formerly KA1CV)  
>ARRL Lab  
>  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [20062] Re: Why No DXCC/QRP from ARRL  
Message-ID: <3383DE9D.69FD@sage.dri.edu>

Hi Ed,

Thank you for taking the time to explain the ARRL side of the issue.

I don't think there is any sort of conspiracy between the ARRL and anyone or anything. I think what Ed says is truly what they think.

But, it's like Doug and I told Dave while chatting with him, we think that is a very weak and lame excuse.

Some have mentioned that they don't want any paper. If that is really the case, why refer to DXCC at all? The award is the award. You can take or leave the paper, but the earning award is still what you did.

When you say the award is nothing because it might, (has), been achieved by cheating, then just by the fact of "working 100 countries" you have achieved DXCC. Somehow not sending for the paper makes the award real? Guess I'm missing something here.

Other clubs or such could offer their own awards. (And many do).



But there is really only one DXCC, WAS, WAZ and etc.

All we really want is to have the chance to see QRP on that award.

Not being able to confirm power is an age old problem. But during contests, no one seems to mind. You claim your status and that's that. If you cheat, you get to look at the award and be reminded of the type of person you are every day! (Guess that's really not a problem for those who cheat!).

I think most of us see a double standard. One for contests and one for awards. Most of us don't see the need for this. And isn't the ARRL really "of, by and for the amateurs"?

Dave mentioned that the DXCC 2000 committee would be the place to start with our request. Does that sound logical to you Ed?

Oh, one more thing.....someone mentioned that the ARRL was a publishing house. Well, yep, they sure are. As most of you know, I am not much of a fan of the ARRL, but I sure think there are some things they do right and being a publishing house is one of the best!

Just look at the world of information available because they are publishing books! Egad! That's the second time in a week I have defended the ARRL!

Let me close this by saying to all the same thing I did to Dave..... We are just starting on this issue. We are willing to discuss it and even play an active role helping achieve our goal. Whatever it takes, we are willing to do.

And you might even want to read my editorial in the April 97 issue of the QRP ARCI Quarterly. Hopefully the DXCC 2000 fellows will be looking at that very issue.

OK, soap box off.....

Thanks for the time,

cul,

Ron, KU7Y

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: george fremin iii <geoiii@bga.com>

Subject: [20080] Re: Why No DXCC/QRP from ARRL

Message-ID: <199705221459.JAA12611@zoom.bga.com>

>I don't think there is any sort of conspiracy between the ARRL and  
>anyone or anything. I think what Ed says is truly what they think.

And you are correct - there is no conspiracy.  
I am on \*ALOT\* of mailing lists - so far this week I have  
seen this idea that the ARRL is in conspiracy against the  
QRPers, 160m ops and VHFers and maybe more if I think about  
some of the messages I have deleted.

I guess "that publishing house" the ARRL is out to get  
all of these groups by publishing articles about/for  
QRP, 160m, VHF, contesting and DX in QST - not to mention  
the many wonderful books that further the hobby.

>But, it's like Doug and I told Dave while chatting with him, we think  
>that is a very weak and lame excuse.

This is true.

>Dave mentioned that the DXCC 2000 committee would be the place to start  
>with our request. Does that sound logical to you Ed?

Yes or each of you needs to write a letter/email to your  
DXAC member (they won't check your membership status  
before reading your mail) - for it is the DXAC that makes  
the recommendations to the ARRL BoD. You can also write  
your division directors as well - you can find the email  
and snail mail addresses for all of the above on the ARRL web site.

--

George Fremin III  
Austin, Texas C.K.U.                    "I'm on a mexican radio"  
K5TR                                       - Wall of Voodoo  
512/416-7010  
geoiiii@bga.com

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
Subject: [20098] Re: Why No DXCC/QRP from ARRL  
Message-ID: <5m1ssn\$7o2@mgate.arrl.org>

Monte Stark <ku7y@sage.dri.edu> wrote:

>Hi Ed,

>Thank you for taking the time to explain the ARRL side of the issue.

>I don't think there is any sort of conspiracy between the ARRL and  
>anyone or anything. I think what Ed says is truly what they think.

Let me add that I am a bit surprised at how enthusiastic the discussion has become. :-) I offered only a quick view of why DXCC is set up the way it is, based on a quick conversation I had with one of the DXCC folks. My view is NOT the ARRL side of the issue, but just a bit of "inside" speculation, based on a few conversations I have had with DXCC staffers, if you will. You can contact the DXCC folks here at HQ for a more "official" answer.

Seeing the enthusiasm level, I suggest that those with concerns address them with their ARRL Division Directors and the DXCC committee. THESE are the people who can change the way we do things.

I will go back to my Lab work, now. I just offered a bit of input, mainly to make sure the QRPers know they DO have friends here at ARRL HQ. As a fellow QRPer, I will sometimes be a bit more informal in my participation in this forum than I might be under other circumstances in other venues.

72/73 from the ARRL Lab,  
Ed Hare, W1RFI

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
Subject: [20101] Re: Why No DXCC/QRP from ARRL  
Message-ID: <5m1tb4\$7o2@mgate.arrl.org>

n0acs@juno.com (John R. Morris) wrote:

>O come on now.....like the other fellow said.....how can the league  
>confirm that the QRO op wasn't running 4 or 10 kilowatts. And if you  
>don't believe they do follow some of the "big boys" around at the  
>hamfests and watch them snap up the 4CX5000 and I even know one that  
>grabbed a 4CX10,000 tube walked across the isle and bought the socket >for it.

>TUSK, TUSK.....you league fellows all must bow the same direction >every  
morning.....

My boss only wishes! :-)

>All kidding aside...isn't this some kind of double standard?

I do not believe so, John. DXCC staff does not verify or certify anyone's power level. The only thing that is verified is that the contact took place.

I think we all know in our hearts that there are a few 4CX10000 tubes in use out there. Speaking entirely personally to a group of friends, I think that they are only pretending that they have made thier goals, much like the fellow who cheats in a sporting event is pretending he won it. As I said, I personally derive enough satisfaction from my own activities that I am not going after any awards, but that is just me. I do understand those that want them.

73,  
Ed Hare, W1RFI  
ARRL Lab

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: n0acs@juno.com (John R. Morris)  
Subject: [20060] Re: Why no QRP DXCC...  
Message-ID: <19970521.232650.7439.9.N0ACS@juno.com>

WHAT IF I AM NOT A LEAGUE MEMBER AND MY (and I use that reference lightly) DIVISION DIRECTORS WON'T LISTEN TO ME (or seriously consider my opinion) WHOM DO I TURN TO?

72 John

On 21 May 1997 20:08:37 GMT "Ed Hare, W1RFI" <ehare@arrl.org> writes:  
>"Dave Maliniak" <dmaliniak@penton.com> wrote:

>

>>You got it, John. Never forget that the ARRL is a big publishing  
>house

>>first and foremost.

>

>Publishing is indeed important to the ARRL; we use QST as a  
>communications medium; we use the proceeds from the sale of our  
>publications to fund membership services.

>

>To put in perspective, we have about 120 employees. Of those, about  
>20  
>are editors, typesetters or graphics people who are directly  
>responsible  
>for our publications. Other staffers do document some of their work  
>in  
>our publications, so others of us do pitch in from time to time.  
>  
>  
>>If you find yourself scratching your head over why the  
>>ARRL does or does not do X, Y or Z, think how their action  
>>or inaction may affect them in terms of advertising dollars.  
>>The answer will often make itself apparent when the question  
>>is viewed in that light.  
>  
>>Yaecomwood buys many, many pages of advertising in QST. Hence,  
>>the ARRL suddenly advocates HF privileges for Techs.  
>  
>These advertisers have been buying many pages of advertising in QST  
>for  
>many years. For the vast majority of those years, ARRL did not  
>"suddenly" advocate HF privileges for Techs. I cannot read the minds  
>of  
>the ARRL Board, but I prefer to speculate that they are considering  
>license structure changes in response to what has pretty clearly  
>become a  
>divisive issue in Amateur Radio.  
>  
>One important point -- what is on the plate now is a strawman  
>proposal,  
>not a final decision by the ARRL Board. If you have views, please,  
>please send them to your Division Directors!  
>  
>--  
>  
>72/73 from ARRL HQ,  
>Ed Hare, W1RFI (formerly KA1CV)  
>ARRL Laboratory Supervisor  
>  
>  
>  
>

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [20072] Re: Why no QRP DXCC...

Message-ID: <3384417F.49D0@dancris.com>

If you're not a League member, you don't have a Division Director, or any input that the League considers worthwhile.

--

72/73 de Roger N7KT      n7kt@dancris.com      Mesa, AZ      Grid DM43cj  
NorCal 1099   CoQRP 176   QRP-L 62   G-QRP 9081   ARCI 8946   NE-QRP 383  
AK-QRP 167

From owner-qrp-l@Lehigh.EDU   Thu May 22 18:04:02 1997  
From: "Rick Hadley" <r.hadley@www.mebbs.com>  
Subject: [20078] Re: Why no QRP DXCC...  
Message-ID: <1.5.4.16.19970522090922.1c6f9fa8@www.mebbs.com>

At 01:35 AM 5/22/97 EDT,   John   wrote:  
>WHAT IF I AM NOT A LEAGUE MEMBER AND MY (and I use that reference  
>lightly) DIVISION DIRECTORS WON'T LISTEN TO ME

Then you are in the same position as a Buddhist who feels slighted because the Elders of the local Baptist Church won't listen to his complaints about their choice of music. :-)

-----  
Richard W. (Rick) Hadley  
W0FG - Life Member ARRL  
QRP-L #1019  
r.hadley@www.mebbs.com  
The Solutions Store, Ltd.  
-----

From owner-qrp-l@Lehigh.EDU   Thu May 22 18:04:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [20079] Re: Why no QRP DXCC...  
Message-ID: <Pine.SUN.3.90.970522075301.22250A-100000@vortex>

On Thu, 22 May 1997, Roger Hightower wrote:

> If you're not a League member, you don't have a Division Director, or  
> any input that the League considers worthwhile.

Yep!

And if you join, then you'r supporting their positions!

Darned if you do and darned if you don't!

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [20083] Re: Why no QRP DXCC...  
Message-ID: <Pine.SUN.3.90.970522080158.22250C-1000000@vortex>

On Thu, 22 May 1997, Rick Hadley wrote:

> At 01:35 AM 5/22/97 EDT, John wrote:  
> >WHAT IF I AM NOT A LEAGUE MEMBER AND MY (and I use that reference  
> >lightly) DIVISION DIRECTORS WON'T LISTEN TO ME  
>  
> Then you are in the same position as a Buddhist who feels slighted because  
> the Elders of the local Baptist Church won't listen to his complaints about  
> their choice of music. :-)

I don't agree.

The ARRL is a major player in the shapping of policy that affects all  
of us, not only league members.

It is for that reason that I think they are obligated to listen to  
all amateurs and not just members.

And I think they feel the same. (Look at the input they took about the  
CW issue. That was not all from members).

cul,

73, Ron,       SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997

From: "Ed Hare, W1RFI" <ehare@arrl.org>  
Subject: [20084] Re: Why no QRP DXCC...  
Message-ID: <5m1nve\$7o2@mgate.arrl.org>

Monte Stark <ku7y@sage.dri.edu> wrote:

>The ARRL is a major player in the shapping of policy that affects all  
>of us, not only league members.

>It is for that reason that I think they are obligated to listen to  
>all amateurs and not just members.

>And I think they feel the same. (Look at the input they took about the  
>CW issue. That was not all from members).

Hi, Ron,

In all cases that I have seen, the ARRL considers both the good of the  
Amateur Radio Service and the wishes of our members as policy is set.

I will add, though, that, all else being equal, IMHO, the wishes of our  
members should hold sway.

73, Ed Hare, W1RFI

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "David Yanke" <n9ssg@pobox.com>  
Subject: [20085] Re: Why no QRP DXCC...  
Message-ID: <199705221519.KAA27168@mail.xnet.com>

> The ARRL is a major player in the shapping of policy that affects all  
> of us, not only league members.

>

> It is for that reason that I think they are obligated to listen to  
> all amateurs and not just members.

Guys, you're forgetting something. The ARRL is first and foremost a  
business. They listen to their customers. If you are a member, run an  
ad or in some other way contribute to the bottom line, you will be  
listened to first. This is no different form Wal-Mart, NRA, Chevrolet  
or any other business.



-----  
Very funny Scotty, now beam down my clothes.

Dave Yanke - N9SSG

mailto:n9ssg@pobox.com      <http://www.pobox.com/~frrl>

PGP Pubic Key: <http://www.xnet.com/~n9ssg/pkey.htm>

FRRL, COL, 10-10 #67441, FISTS #2365, ARRL

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997

From: "Ed Hare, W1RFI" <ehare@arrl.org>

Subject: [20086] Re: Why no QRP DXCC...

Message-ID: <5m1ogq\$7o2@mgate.arrl.org>

Monte Stark <ku7y@sage.dri.edu> wrote:

>On Thu, 22 May 1997, Roger Hightower wrote:

>> If you're not a League member, you don't have a Division Director, or  
>> any input that the League considers worthwhile.

>And if you join, then you'r supporting their positions!

I joined ARRL so I can better *\*influence\** their positions. This does not mean that I support ALL of ARRL's positions (although I will add that, as a League employee, I do not actively oppose ARRL's positions, once they are set by policy. You do not have that constraint.) But I will wager a lobster lunch that if you carefully analyze the actions ARRL has taken over the last year, you will find a good number of things that you would heartily endorse.

If you determine that if a large organization such as ARRL ever takes a position with which you disagree you will not continue to support them, you have set up a set of conditions that is impossible to meet.

It is like setting up a card game in which you hold all the good cards, you never have to make a move, your opponent has to guess what move you consider correct and if he makes any move that you deem to be incorrect, you declare yourself the winner of the game.

>Darned if you do and darned if you don't!

I guess it is all a matter of perspective. In real life, I find myself darned only once in a while. :-)

73,

Ed Hare, W1RFI

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: mdwatt@usit.net (Marty Watt)  
Subject: [20087] Re: Why no QRP DXCC...  
Message-ID: <33875df4.160027925@smtp.usit.net>

On Thu, 22 May 1997 01:35:53 EDT, n0acs@juno.com (John R. Morris)  
wrote:

>WHAT IF I AM NOT A LEAGUE MEMBER AND MY (and I use that reference  
>lightly) DIVISION DIRECTORS WON'T LISTEN TO ME (or seriously consider my  
>opinion) WHOM DO I TURN TO?

This is a good point. Since we're discussing ARRL policy (an  
important and worthy topic, methinks, given the influence the ARRL  
holds), I have a proposal:

There should be \*two\* membership classes. Member, and Supporting  
Member. The member class gets to vote -- and that's it. OK, they  
can also get ARRL-official badges (VE, EC, etc.). And they can run  
for office.

Member only should be free -- open to all licensed amateurs.  
Period.

Supporting Member would pay the \$40 or so, get QST, get reduced buro  
rates, and all the other benefits we associate with current  
membership. Member only (non-supporting) would pay non-member rates  
for everything.

If the ARRL purports to represent amateur radio in the United  
States, I think it somewhat strange that we pay for membership.

P.S., I am a member of the ARRL currently. This is being copied to  
my division director and vice-director, as well as VP Joel Harrison,  
my former Division Director. Note the e-mail addresses in the  
header under the cc: field. They all have e-mail, folks, using  
<callsign>@arrl.org

NOW, having said that, I'd like to CONGRATULATE the ARRL on their  
publications. My gripe with the handbook was that it was \*too\*  
technical for the average "appliance-operator" ham like myself.  
I've seen great strides, having purchased the 97 book on CD rom,

toward projects of a \*practical\* nature -- and it is certainly greatly appreciated.

It seemed that older handbooks were seemingly dedicated to 24V bench supplies with 1/2 amp max. (nice, but not very practical for powering 12v equipment), 432 to 1.2Gig transverters (I have enough trouble scraping up 440 contacts in rural West Tennessee!), and other such esoteric stuff. Nice, certainly, but you really need to find someone locally to do the projects with you, to have someone to use them with!

It seems that more emphasis (to my untrained eye) is being placed on theory, construction, and operation of very practical station and station accessory items, with the more esoteric stuff being relegated to specialty publications (Antenna Book, Microwave Experimenters Handbook, Satellite Experimenter's Handbook, Spread Spectrum Sourcebook, etc.)

I'm impressed, and quite pleased.

Just for the record ...

I support a QRP endorsement for DXCC. I support an ARRL-sponsored school contest, determining state and national high-school and university championships (think of the interest \*this\* might generate in Amateur Radio among the younger generation). And, in general terms, I support anything that fosters adherence to the "minimum power necessary to support communications" rules.

72 es 73 de=20  
Marty, KM7W

-----  
Jackson, Tennessee

e-mail: mdwatt@usit.net  
<http://www.public.usit.net/mdwatt>  
"The Curmudgeon's Corner"

NorCal #2031 - ARCI #7514 - QRP-L #953 - AK/QRP #098 - Grid EM55oq  
~~~~~

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Monte Stark <ku7y@sage.dri.edu>  
Subject: [20091] Re: Why no QRP DXCC...  
Message-ID: <Pine.SUN.3.90.970522083233.22250F-100000@vortex>

On 22 May 1997, Ed Hare, W1RFI wrote:

> In all cases that I have seen, the ARRL considers both the good of the  
> Amateur Radio Service and the wishes of our members as policy is set.

That's just the way it should be.

> I will add, though, that, all else being equal, IMHO, the wishes of our  
> members should hold sway.

Again, I find myself in agreement with you!

Ed, you are the best spokesman the ARRL has! It has been a long time  
since I've seen anyone from the League take the time to respond to  
people in an informative manor.

Gotta get to work, cul,

73, Ron,        SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....  
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....  
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Stephan Greene <sgreene@washsq.com>  
Subject: [20092] Re: Why no QRP DXCC...  
Message-ID: <Pine.LNX.3.95.970522112605.4642K-100000@ftp.washsq.com>

On Thu, 22 May 1997, Monte Stark wrote:

> > At 01:35 AM 5/22/97 EDT, John wrote:  
> > >WHAT IF I AM NOT A LEAGUE MEMBER AND MY (and I use that reference  
> > >lightly) DIVISION DIRECTORS WON'T LISTEN TO ME  
> >  
> > Then you are in the same position as a Buddhist who feels slighted because  
> > the Elders of the local Baptist Church won't listen to his complaints about  
> > their choice of music. :-)  
>  
> I don't agree.  
>  
> The ARRL is a major player in the shapping of policy that affects all  
> of us, not only league members.  
>  
> It is for that reason that I think they are obligated to listen to  
> all amateurs and not just members.

My .01 cents (reduced output level because I think this thread has degenerated about as far as should be allowed...[so why am I adding fuel to the fire?], and it's a QRP forum anyway!)

1. Organizations with some exclusivity of membership (local ham club, my congregation,...) have little-to-no obligation to listen to the opinions of non-members as long as the group's actions have little to no impact on the non members.
2. Organizations with a significant public presence (political parties, labor unions, ARRL?) have an obligation to listen to non-members but have NO obligation to pay them much attention.
3. Organizations that represent the "public" or claim to represent a similar broad community have an obligation to listen and consider the opinions of all interested parties. For the FCC, it's a matter of law (but money and influence still count!).

ARRL is somewhere between #2 and #3, depending on the issue.

If the DXCC policy is to only endorse what can be "verified" on the QSL card itself, then THAT IS THAT. So we can have CW, SSB, RTTY, EME, Satellite, 1 band, 5 band, "sprint",... endorsements because the QSL card can "verify" the claim.

If another group wants to add their own QRP "endorsement" based on the operator's affidavit that they met the rules, that's OK. If another group wants to establish a comparable award that is logbook and affidavit based (73 tried this a few years ago for a DX award), that's their business.

If you want to change the DXCC policy, write the DXAC and the ARRL Directors. If you're not an ARRL member or DX'er, you can still write, but they're not obligated to pay much attention. (Can you say "gadfly"?) That's life.

Now back to talking about radios before someone adds code/no code to the brew!

73 Steve KA1LM  
QRP-L #232

-----  
Stephan A. Greene                      sgreene@washsq.com  
PGP Public Key 0xB96717F5 1996/10/01 at <http://www.washsq.com/~sgreene/>  
-----

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Roger Hightower <n7kt@dancris.com>  
Subject: [20094] Re: Why no QRP DXCC...  
Message-ID: <33846EA1.53A2@dancris.com>

Stephan Greene wrote:

> Now back to talking about radios before someone adds code/no code to the brew!  
>

Can't resist this, :-)

The code class that I posted about a month or so ago is going great!  
The students are now copying comfortably 8 wpm word speed, 25 wpm  
character speed and we will be stepping it up rapidly. In two weeks we  
will test out at 5wpm for those "no-coders", so they can become  
"Know-coders". The goal is to have them all pass the 13 wpm at Ft.  
Tuthill, AZ in July.

About 2/3 of the class is still attending the "check" sessions. Each  
check session (once a week for about 45 minutes) has them copy two to  
three-minute CW tapes at increasing word speeds, to find the level that  
all are comfortable at, and give me an idea just how much I can boost  
the speeds. Some have dropped out because of other commitments,  
wanting to progress faster, etc., but no one has told me they dropped  
out because we were going too fast.

Still fun, and I think I may have some insight into a pretty good way to  
present the code. More later.

--

72/73 de Roger N7KT n7kt@dancris.com Mesa, AZ Grid DM43cj  
NorCal 1099 CoQRP 176 QRP-L 62 G-QRP 9081 ARCI 8946 NE-QRP 383  
AK-QRP 167

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: Michael <MichaelN@cycat.com>  
Subject: [20097] Re: Why no QRP DXCC...  
Message-ID: <33847673.6F02@cycat.com>

> Guys, you're forgetting something. The ARRL is first and foremost a  
> business. They listen to their customers. If you are a member, run an  
> ad or in some other way contribute to the bottom line, you will be

> listened to first. This is no different form Wal-Mart, NRA, Chevrolet  
> or any other business.

Any business that wants to get more customers had better listen to  
the reasons people give as to Why they are not customers.

Most businesses spend LOTS of money trying to get more new customers.

When potential customers are knocking on your door telling you what they  
want in order for you to get their business, if you ignore them, they  
will go away. Usually so will your business.

If 50 people walk up to the manager of a Wal-Mart in one day and ask for  
"X-widget", you can bet that manager will be asking purchasing, "Where  
and  
when can we get this X-widget?"

Most businesses would KILL to find out why a potential customer whent  
somewhere  
else.

michael N6CHV

and now back to QRP

From owner-qrp-1@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Michael A. Gipe" <mgipe@reliablemeters.com>  
Subject: [20100] Re: Why no QRP DXCC...  
Message-ID: <199705221632.LAA00384@multi13.netcomi.com>

> Yep!  
>  
> And if you join, then you'r supporting their positions!  
>  
> Darned if you do and darned if you don't!  
>  
> 73, Ron, SOWP 5545M,  
>

You're absolutely right, Ron. I finally figured out how to fix it. Using  
flawless "Nils Logic", I signed up as a life member. This way, I can vote  
every year, write nasty letters, complain to my directors, get QST every  
month, AND they will never get another penny from me for membership! HA!  
I think I'll leave instructions in my will not to ever tell the League that

I'm a SK, so they can keep sending QST for the next thousand years. I just figure the life member fee paid part of Ed Hare's salary that month, so I was happy to contribute that part.

Your mileage may not be imaginary, like mine. "Nils Logic" doesn't work for everyone.

Now, it seems to me that the best of all worlds would be to have the fact that you worked 100 countries confirmed and acknowledged by the ARRL, and the fact that you did it using 5 watts or less confirmed and acknowledged by your QRP peers. You're a champion in both domains. A QRO op may be tempted to fudge a bit to get that last piece of paper from the ARRL, but it is unlikely that he'll go to the effort to enter the world of ARCI, NorCal, Scorpions and the rest.

If ARCI could find a sucker, er.. volunteer to check copies of logs submitted by members who apply for the coveted DXCC QRP endorsement sticker to apply to their ARRL certificate, we'd be all set.

ARRL maintains the integrity of their worldwide DXCC program. QRPers get the recognition they deserve from their peers, based on the notations in their private journals (logs). Everybody's happy.

So what do I do? I have over 100 countries confirmed, but never applied for DXCC. I have long been a closet QRP'er, never realizing that there was such an organized cabal of QRPers, so most of the countries were worked with ten watts -- the lowest power the rigs I had would run. Here I am, a misfit in the eyes of the QRO majority, and an unrepentant serpent to the QRP groups. Sigh. (BTW, I have seen the light. The last two years has been below five watts, even a few milliwatt QS0s)

Mike K1MG

PS. Thanks to all who sent reports back from Dayton. Those of us who were working 12 hour days while you guys were schmoozing sure appreciate the vicarious thrills. Next year....

From owner-qrp-l@Lehigh.EDU Thu May 22 18:04:02 1997  
From: "Ed Hare, W1RFI" <ehare@arrl.org>  
Subject: [20114] Re: Why no QRP DXCC...  
Message-ID: <5m210e\$e68@mgate.arrl.org>

Monte Stark <ku7y@sage.dri.edu> wrote:

Thanks. Monty,



Actually, we have a number of spokesfolks at ARRL HQ, but they usually spoke in QST, the ARRL Letter or our bulletins.

I speak out a bit more in the QRP group because it is near and dear to my heart, and because of my own QRP activities, I feel like I am speaking a bit more like "one of the guys" than I might in other arenas.

FWIW, those staffers who do participate in these electronic forums do so on their own, more or less personally. I say more or less because in amateur radio circles, HQ staff will always be seen as representing ARRL to one degree or another, so what we do is not 100% personal or 100% unrestrained.

OTOH, this means that I am not getting onto this reflector and saying what my boss would like me to say; he would probably prefer that I not say much at all, because if I say something really inappropriate, I will be in a bit of hot water (making more work for him. :-)) This generally means that I will stay away from areas that involve ARRL policy or in which I feel that my personal beliefs would be at odds with the goals of ARRL.

OTOOH, there is no ARRL.censor deciding how staff can personally participate in these sorts of things, so we have an interesting mix of conflicting undercurrents, indeed.

As my old sig file used to say:

"My posts do not necessarily represent the policies of the ARRL, but I can probably get in trouble for them anyway."

I probably should have been a bit more clear that in DXCC matters, I was being informational and speculative, not "official." Had I but known the depth of the passions, and the "policy" areas into which this thread would tread . . . :-)

72/73,  
Ed Hare, W1RFI